Opticis Signus

User's Manual

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1. Signus Introduction

A. Introduction (SignusServer Pro™, SignusDesigner™)

1. SignusServer Pro™

1. Which enables remote control (Contents send, device management, scheduling) through Local or Internet network.
2. Which is Windows based program installed in the PC or system.
3. Terminal basic control function: Play, Pause, Stop, Mute, Sleep, Reboot, playing time setting, firmware update, etc
4. Terminal basic contents manageability: Delete contents update, Send schedule (time setting per day, enable to set up multi-lists or weekdays playing pattern)
5. Terminal control: Terminal group control, Individual terminal control according to status (off-line list, on-line list, etc), confirm available storage space and terminal playing status, etc.
6. Remote timer function: Send playlist or scheduler through network to play at a time user pre-set.
7. Individual terminal provides the function to control at remote site. (Individual terminal playing time, network access, TimeZone, Client server access, SlideShow effect, etc)
8. Time synchronization function. (Time setting in Terminal is auto-searched and synchronized to time of server when client server connected.)
9. Standard time synchronization function (Server program supports menu to synchronize standard time.)
10. DDNS support:
    1. Terminal supports IP and domain setting for server access and the program itself supports DDNS for the domain.
    2. DDNS features that terminal automatically detects changes of server IP and domain setting and auto-connect.
       For instance, starting the server program without IP change, 100 terminal units are playing with server program which is far away from the place where the terminals are deployed. Individual terminal is readily controlled at remote site.

2. SignusDesigner™

1. Windows based program which helps to schedule and control playlist.
2. Scheduler basic function :
3. Able to set schedule per day, weekday, periodical time, even for multiple playlists.
4. Playlists basic function :
5. Multiple Playlists could be set for one day playing and time setting per contents is available.

1. Caption function for all or specific contents registered in playlists and Background music function enables to be set.
2. All format information of entire contents is displayed. Device such as PC, SigmaEm8621, EM8623 is discriminated if applicable and identified for list registration.
3. Supports contents edit.
   (For instance, user enables JPG format to edit re-size, rotation, multiple files edit, etc. Moving picture edit is under development.)
4. Enables to see the pre-registered contents. (picture, video, audio)
5. Additional menu of creating caption is provided to control caption size, style, color, background color, caption scrolling-down speed like PC.
6. Enables to set display split.

B. License

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Updated on February 17, 2010

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C. Signus package includes

1. SignusClient
   IP advertisement terminal
2. SignusServer
   Network server program
3. SignusDesigner
   Program which set client device schedule and single mode device setting.

D. System requirements

1. OS : Windows 2000, Windows XP, Windows 2003, Windows Vista
2. System: Intel Pentium 3 or later
3. RAM: Minimum 128M
4. HDD: at least 128MB free spaces.

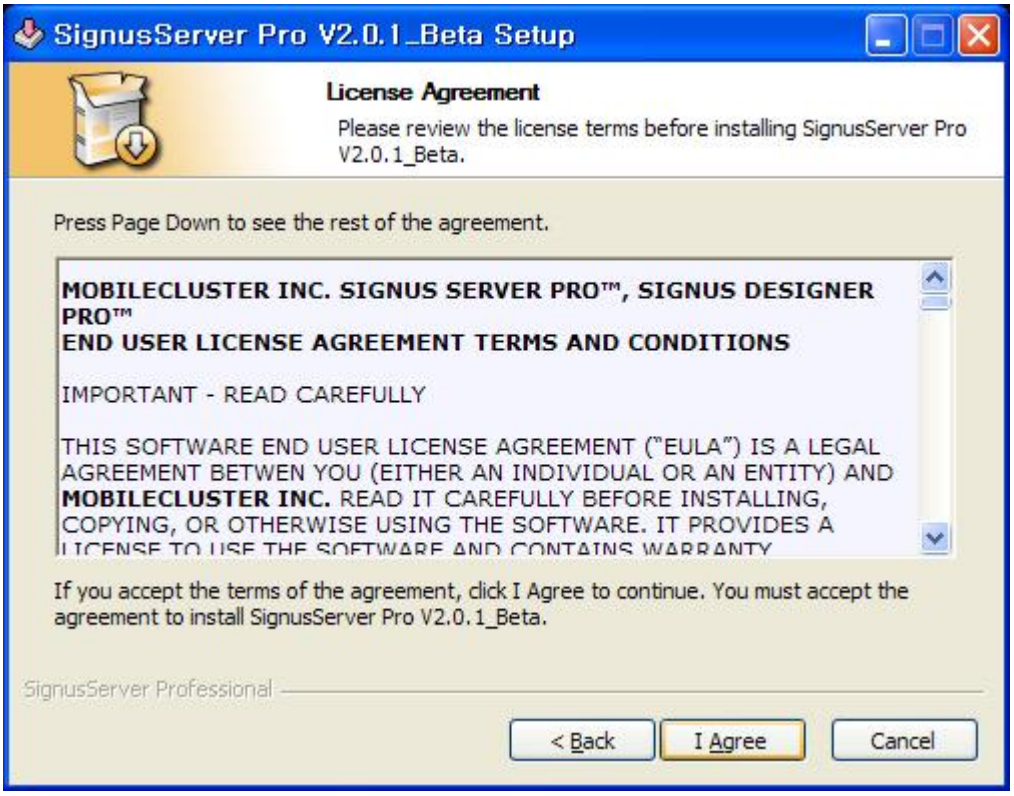
2. How to use Signus

A. Program installation

1. Click “SignusServerPro_V2.0.1_setup.exe”.
2. Click ‘Next’ to continue when below pop-up window is out.

SignusServer Pro V2.0.1_Beta Setup
Welcome to the SignusServer Pro V2.0.1_Beta Setup Wizard
This wizard will guide you through the installation of SignusServer Pro V2.0.1_Beta.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Next >
Cancel

3. Scroll down and read License agreement and Click “I Agree” for next step.


SignusServer Pro V2.0.1_Beta Setup
License Agreement
Please review the license terms before installing SignusServer Pro V2.0.1_Beta.
Press Page Down to see the rest of the agreement.
MOBILECLUSTER INC. SIGNUS SERVER PRO™, SIGNUS DESIGNER PRO™
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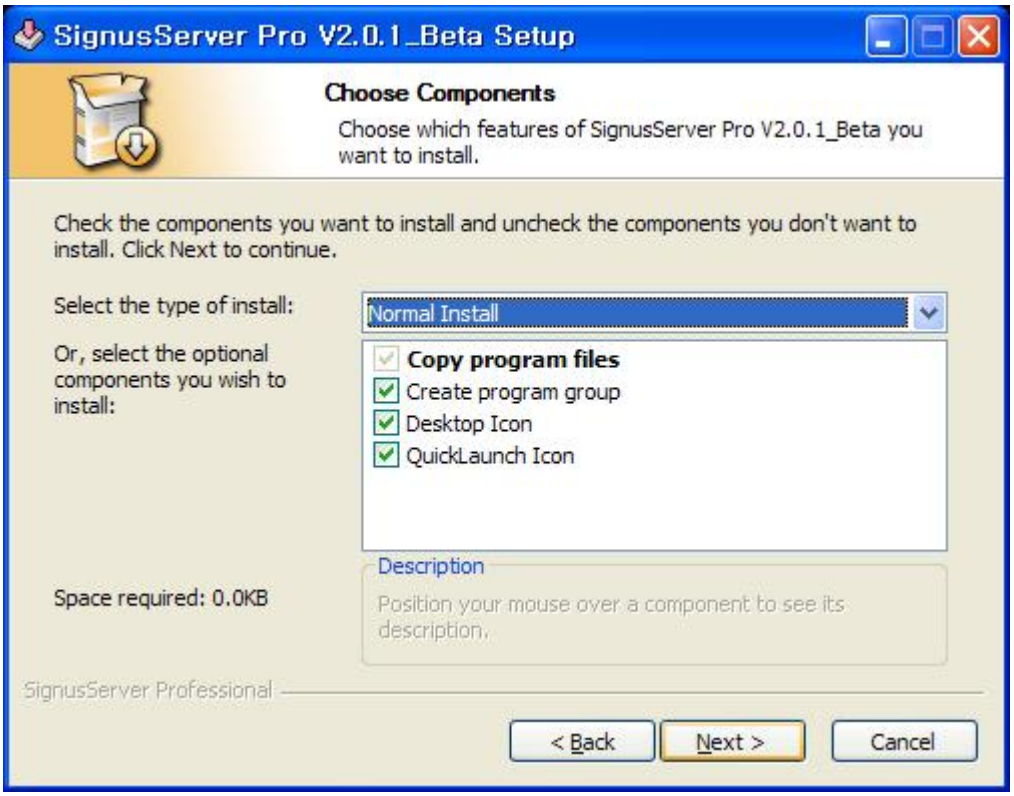
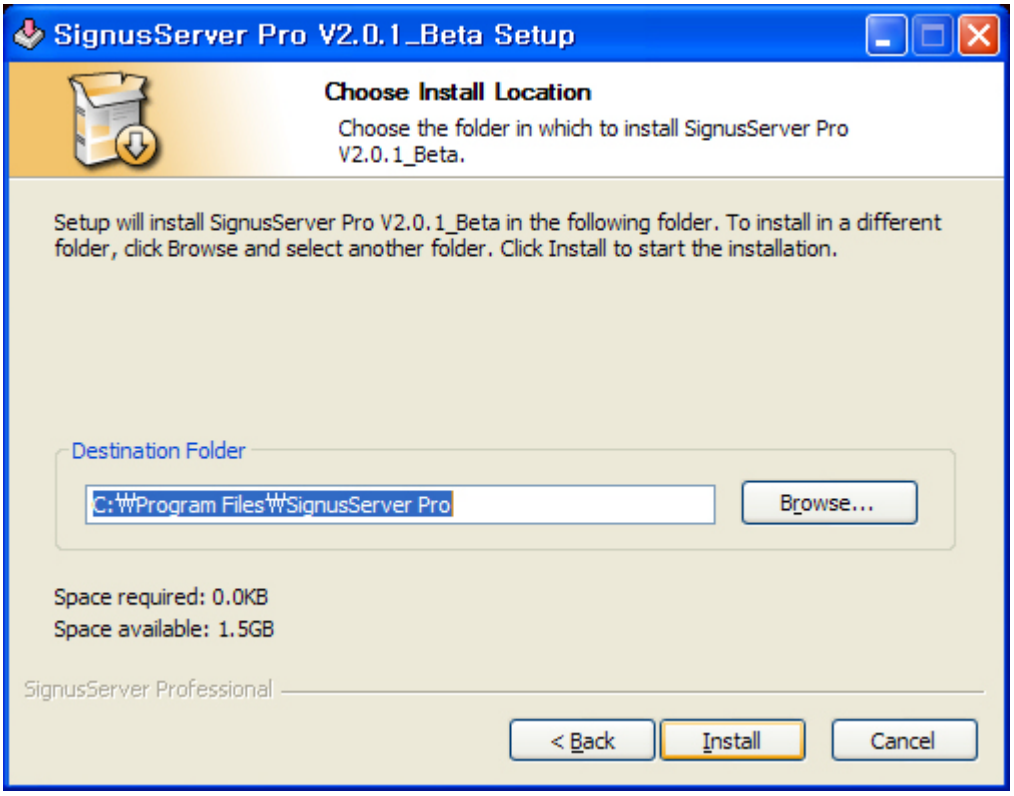
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install SignusServer Pro V2.0.1_Beta.
SignusServer Professional
< Back
I Agree
Cancel

4. Check the optional components user wishes to install and click “Next”.


SignusServer Pro V2.0.1_Beta Setup
Choose Components
Choose which features of SignusServer Pro V2.0.1_Beta you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select the type of install:
Normal Install
Or, select the optional components you wish to install:
Copy program files
Create program group
Desktop Icon
QuickLaunch Icon
Description
Position your mouse over a component to see its description.
Space required: 0.0KB
SignusServer Professional
< Back
Next >
Cancel

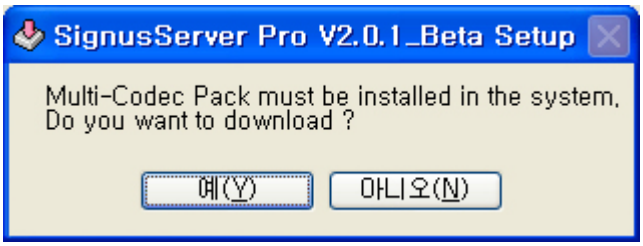
5. Press “Browse…” and select the folder where user wishes to install. Then, click “Install” button. If unselected, it will be automatically installed to default folder.


SignusServer Pro V2.0.1_Beta Setup
Choose Install Location
Choose the folder in which to install SignusServer Pro V2.0.1_Beta.
Setup will install SignusServer Pro V2.0.1_Beta in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder
C:₩Program Files₩SignusServer Pro
Browse...
Space required: 0.0KB
Space available: 1.5GB
SignusServer Professional
< Back
Install
Cancel

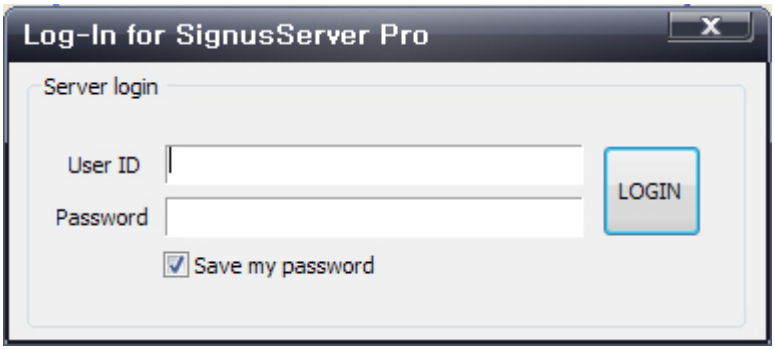
6. Simply click “Finish” to complete the installing process. If “Run SignusServer Pro V2.0” was checked, SignusServer program runs automatically.

SignusServer Pro V2.0.1_Beta Setup
Completing the SignusServer Pro V2.0.1_Beta Setup Wizard
SignusServer Pro V2.0.1_Beta has been installed on your computer.
Click Finish to close this wizard.
Run SignusServer Pro V2.0.1_Beta
< Back
Finish
Cancel

7. Below dialog box is popped out to download Codec for “preview”. If click “Yes”, Codec program will be installed.

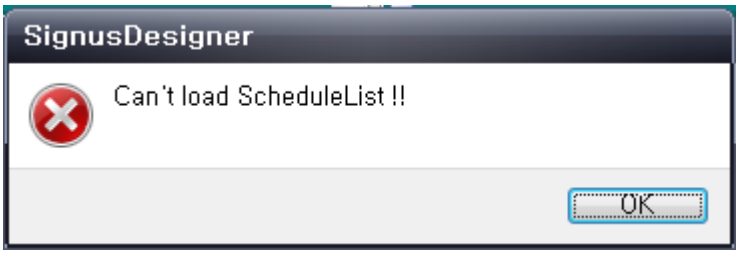


8. Type given ID & PW and press “LOGIN”. Internet access is essential during this process.



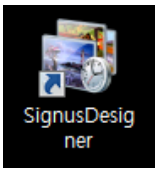
9. Confirm below dialog box appears when log-in authorization is achieved if program initially runs.

10. Below dialog box appears when schedule list is not loaded.



11. “SignusServer” display is shown.

B. How to use SignusDesigner

1. Double-click 

icon.
2. The program becomes loading.

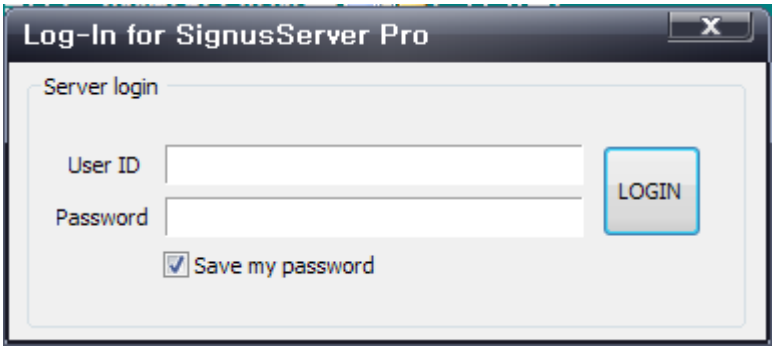
C. Sign-in and Registration for SignusServer

1. If you are not registered already, please, ask the seller how to do it.

D. Executing SignusServer

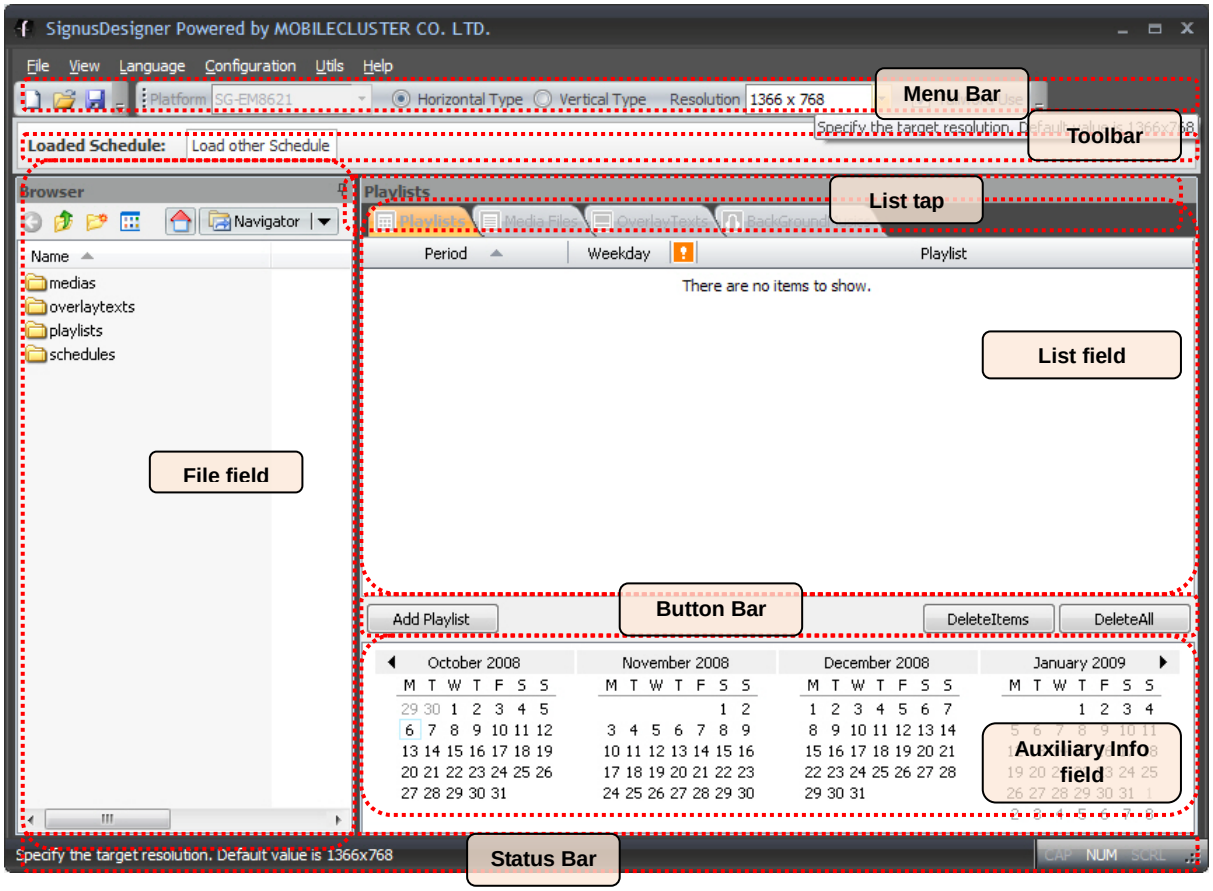
1. Double-click

icon.
2. Type ID & PW on dialog box and press “LOGIN”.



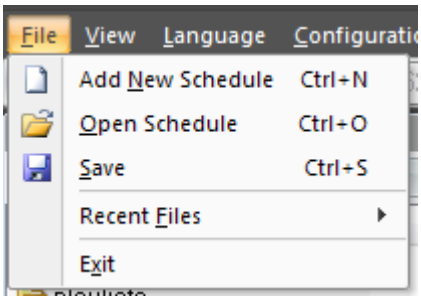
3. Click “Start Server” button in toolbar after program loading.

3. SignusDesigner Program



A. Menu Bar

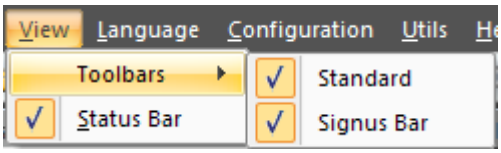
1. File Menu



1. Add New Schedule (Ctrl+N): Create new schedule.
2. Open Schedule (Ctrl+O): Open the pre-set schedule.
3. Save (Ctrl+S): Store the schedule file while at working.

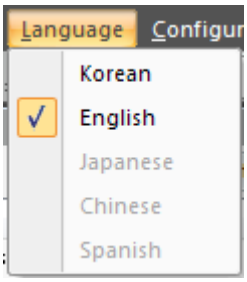
4. Recent Files: Show the recent schedule file list which has been opened. If click the file in the list, the selected file is opened.

2. View Menu



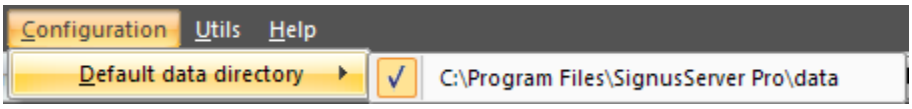
1. Toolbars
    1. Standard: Show/Hide standard toolbars.
    2. Signus Bar: Show/Hide Signus toolbars.
2. Status Bar: Show/Hide status bar.

3. Language menu



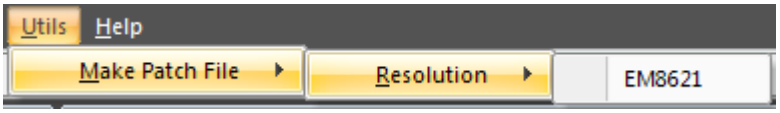
1. Korean: Program menu is set with Korean.
2. English: Program menu is set with English.

4. Configuration Menu



1. Default data directory: Set default folder of this program. It is recommended not to change the default folder after setting.

5. Utils Menu

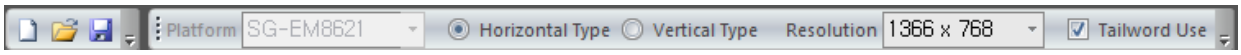


1. Make Patch File: Make patch file to edit setting. This file is solely available through USB flash drive.
    1. Resolution: set the resolution of device.

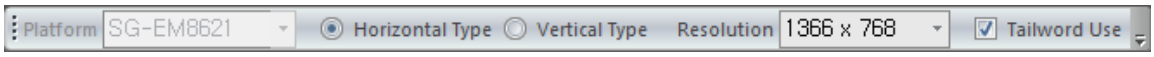
6. Help Menu

1. About SignusDesigner: Show program information.

B. Toolbar



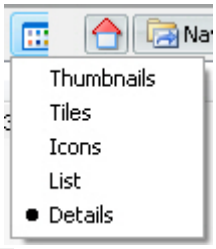
1. : Create new schedule file.
2. : Open the saved schedule file.
3. : Save the current file while at working.
4. Device setting toolbar: Platform: Presents kinds of device.

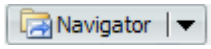


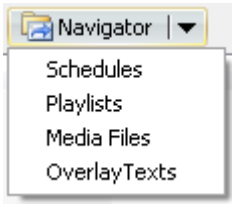
1. Horizontal Type: Set horizontal view of display(Resolution).
2. Vertical Type: Set vertical view of display(Resolution).
3. Resolution: Set the resolution of display.
4. Tailword use: when edit multiple image files at “Media Files” by “Multi Edit” button, set tailword “_Edited” at file name behind. If not set, the prior file is overwritten.

C. File field

1. : Go to prior folder.
2. : Go to upper level folder.
3. : Create new folder.
4. : Set viewing style of file field.



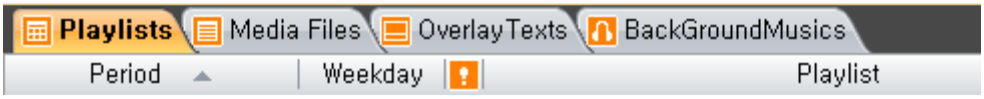
5. : Move to default folder.
6.  : Navigate each section folders.



7. : Set Auto-activation/Static activation in file field.

D. List Tap

List tap makes convenient to move on each section.



1. PlayLists: Show Play List.
2. Media Files: Show Media file.
3. Overlay Texts: Show Overlay Text List.
4. BackGroundMusics: Show BackGround Musics List.

E. Button Bar

Each of list field shows different buttons. Detailed information about button bar will be advised on list field part of this manual.

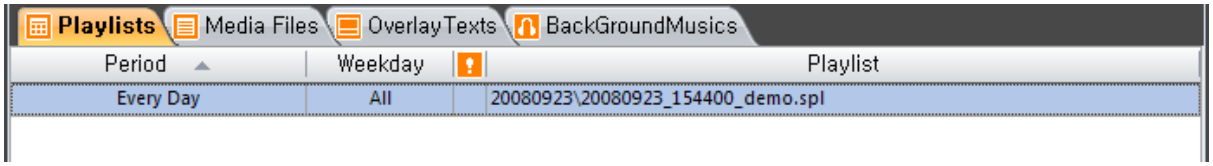
F. Auxiliary Info field

Use or view the additional information of selected items from list field. Detailed information how to use will be advised on list field part of this manual.

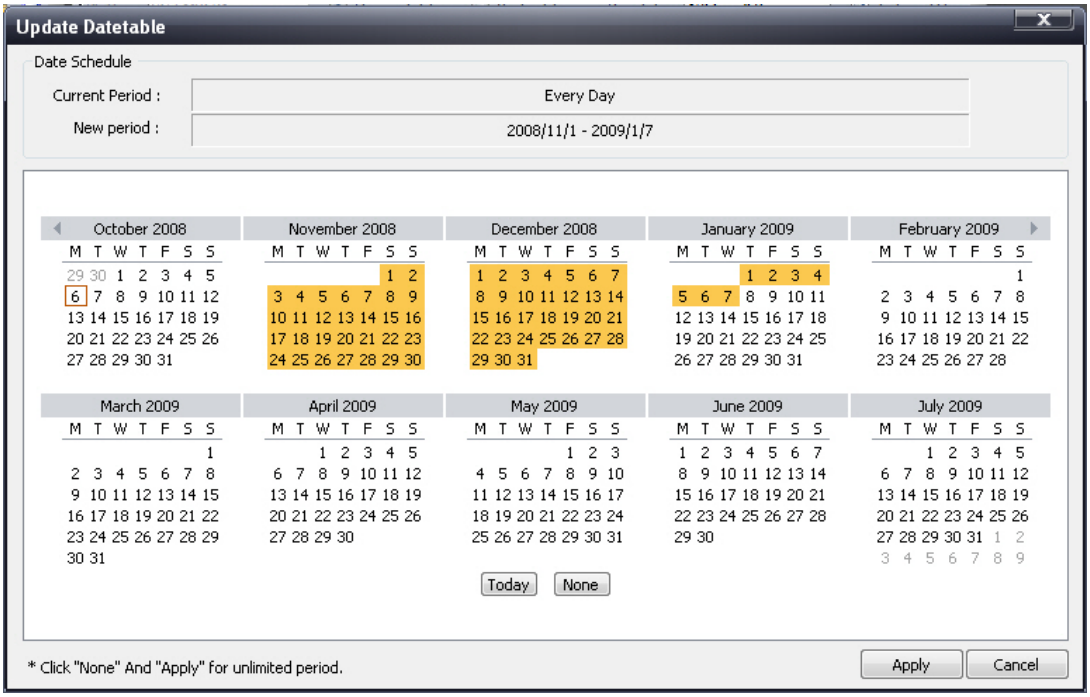
G. List field

The list while at working is viewed.

1. Playlists



2. Playlists items
    1. Period: Operation period of Playlists presents users.

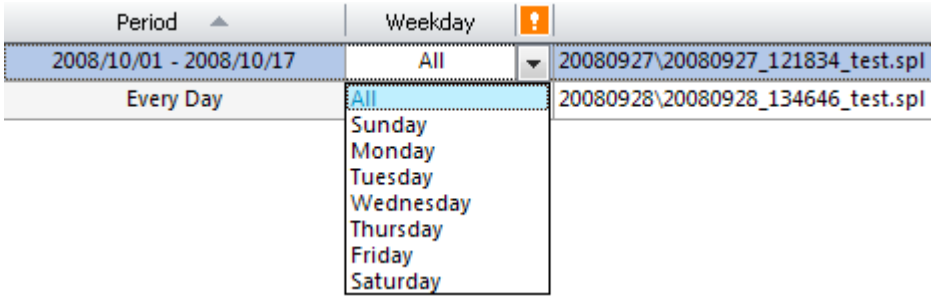


i. Set playing period
   1. When double click this item on list, the window as shown in above appears to set the period.
   2. Click a start day and drag mouse up to end day.
   3. “Apply” changes.

ii. Delete playing period
   1. When double click this item on list, the window as shown in above appears to set the period.
   2. Simply click “None” button.
   3. “Apply” changes.

2. Weekday: Playlist applied on weekday is displayed.

i. Weekday setting.
   1. When double click this item on list, button appears and click it.



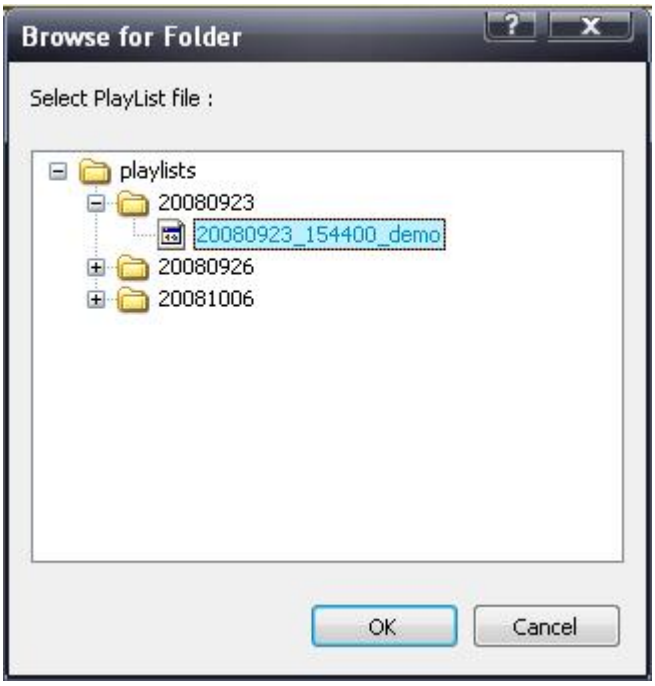
   2. Select the weekday user wants after above drop-down list is out.

: This symbol is shown to view the bad route of the Playlist file.

3. Playlist: Show connected playlist.

i. Changing Playlist

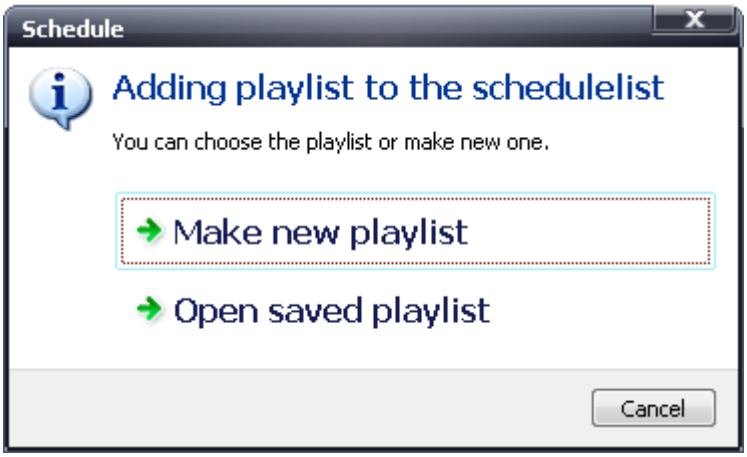
1. Double click this item on list.



2. Choose playlists user wishes and press “OK” button.

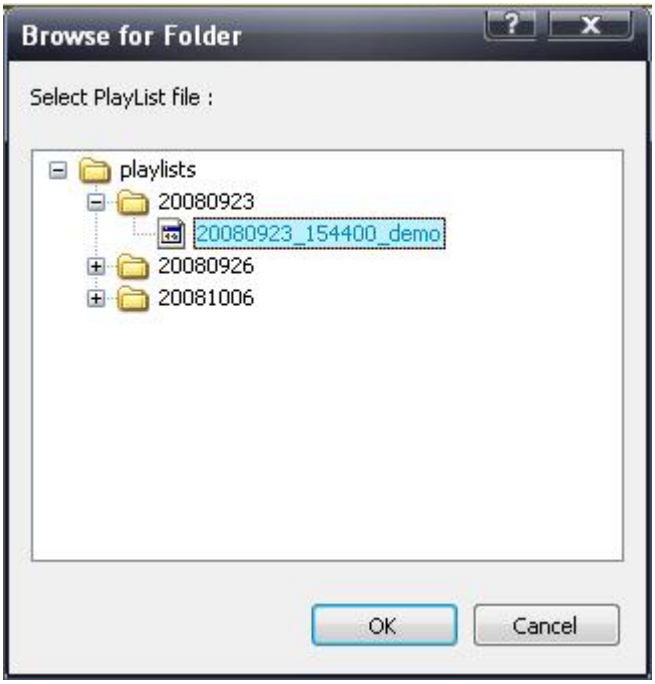
2. Button Bar

1. Add Item: Add new Playlist.



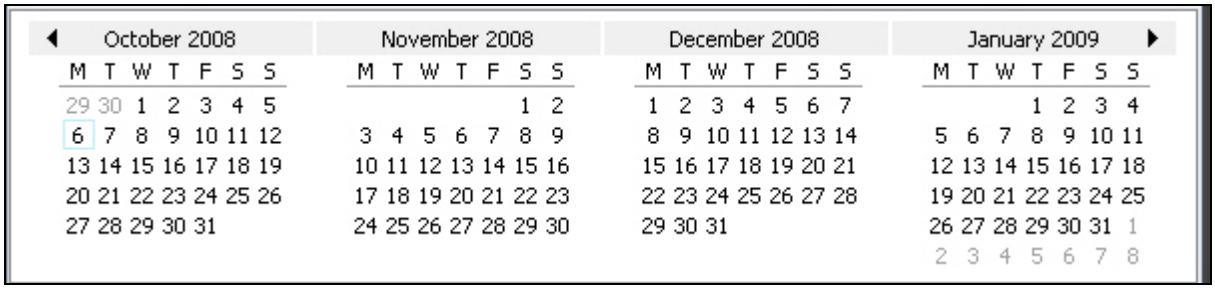
i. Make new playlist: Create new Playlist.

ii. Open saved playlist: Open the saved playlist



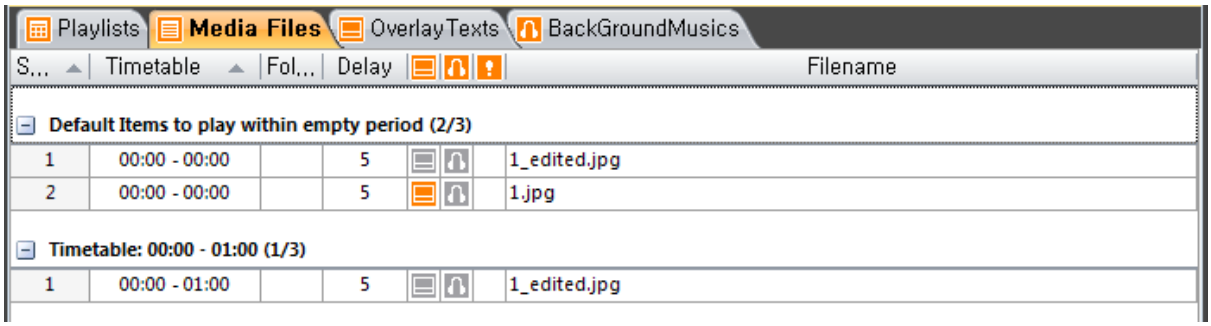
2. DeleteItem: Delete the selected Playlist.
3. DeleteAll: Delete all Playlists.

3. Auxiliary Info field

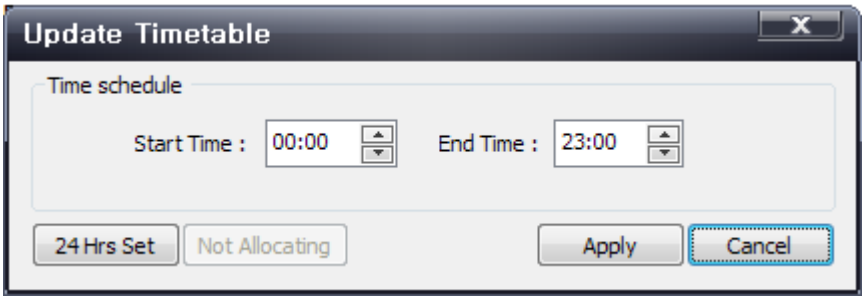


The operation period of the selected Playlist is viewed.

3. Media Files

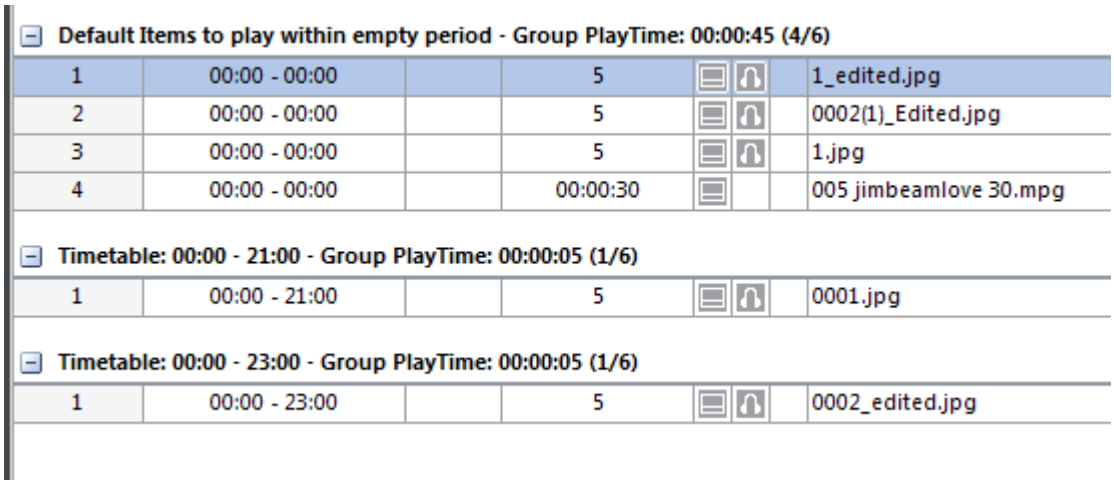


1. Media files items
    1. Seq: The playing sequence of Media files is displayed.
    2. Timetable: Operation time schedule setting.
    3. Timetable: Set play time.
        i. Play time setting.
            1. Double click in the list.



2. Adjust “Start Time” and “End Time” in pop-up dialog box. *. Click “24 Hrs Set” for 24hours operation.
3. Click “Apply”.

ii. Description of list group

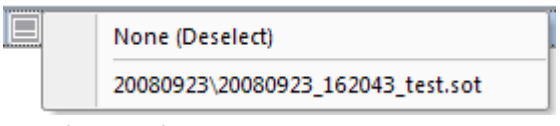

Default Items to play within empty period - Group PlayTime: 00:00:45 (4/6)
1 00:00 - 00:00 5 1_edited.jpg
2 00:00 - 00:00 5 0002(1)_Edited.jpg
3 00:00 - 00:00 5 1.jpg
4 00:00 - 00:00 00:00:30 005 jimbeamlove 30.mpg
Timetable: 00:00 - 21:00 - Group PlayTime: 00:00:05 (1/6)
1 00:00 - 21:00 5 0001.jpg
Timetable: 00:00 - 23:00 - Group PlayTime: 00:00:05 (1/6)
1 00:00 - 23:00 5 0002_edited.jpg

- When playing time is set, Group Play Time is displayed according to time sequence.
- Default Items to play within empty period: Shows number of media which is not set for playing time.
- Playing priority is that media group set operation time plays first and the group has not set time plays last.

4. Folder:
5. Delay: Displaying time setting. (a Unit: sec)

i. Delay time setting
   1. Double click this item on list.
   2. Input the time(sec) at editable item and click “Enter” key.

6. : Select connected overlay text during playing of selected Media file. If overlay text selected, the unselected or overlay text for all does not plays at all.



i. Caption setting
   1. Register overlay Text file.
   2. Double click the items in list.(No menu is displayed if no registered Overlay Text list exists)
   3. Select the caption user wants in viewing pop-up menu.

ii. Caption removal
   1. Click this item from list.
   2. Choose “None(Deselect)” from pop-up menu.

7. : Select background music when playing media file. Background music can go only with image file. If background music selected, the unselected or background music for all does not plays at all.

i. Background music setting
   1. Register music file to BackGroundMusics list.
   2. Click the music file which user wants in the list. (No menu is found if the registered file is not in Background music list)
   3. Select the Background music from upcoming pop-up menu.

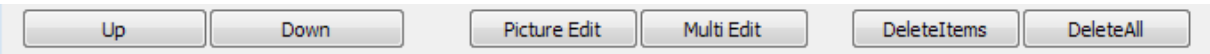
ii. Background music removal
   1. Click this item from list.
   2. Select “None(Deselect)” from pop-up menu.

8. : This symbol appears to view the bad route of connected playlist.
9. Filename: Connected media file name.

i. Image edit
   1. Double click this item on list.

   2. “Apply” changes after edit.

2. Button bar

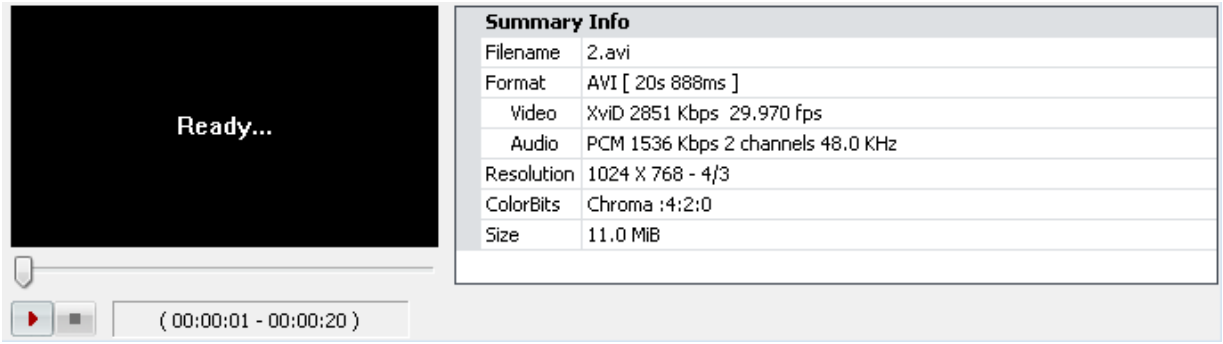


   1. Up: The order of media goes to up level.
   2. Down: The order of media goes to down level.
   3. Picture Edit: Show single media file to edit image at image editor pane. (Only available with image files)
   4. Multi Edit: Edit the size of multiple media files where is set on toolbar.

(only available with image file)

5. DeleteItem: Delete the selected media.
6. DeleteAll: Delete entire media.

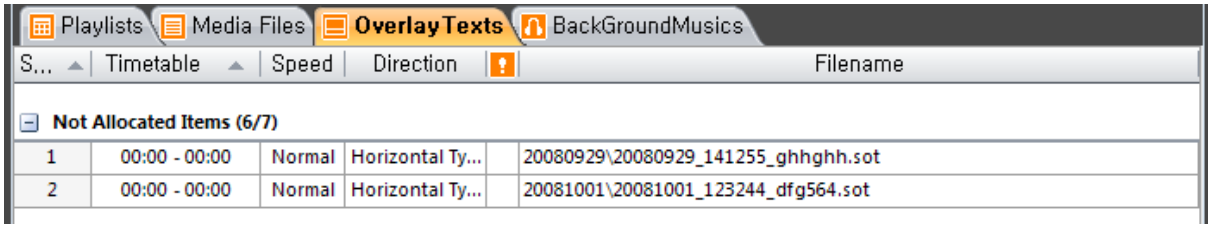
3. Auxiliary Info field


Ready...
Summary Info
Filename 2.avi
Format AVI [20s 888ms]
Video XviD 2851 Kbps 29.970 fps
Audio PCM 1536 Kbps 2 channels 48.0 KHz
Resolution 1024 X 768 - 4/3
ColorBits Chroma :4:2:0
Size 11.0 MiB
(00:00:01 - 00:00:20)

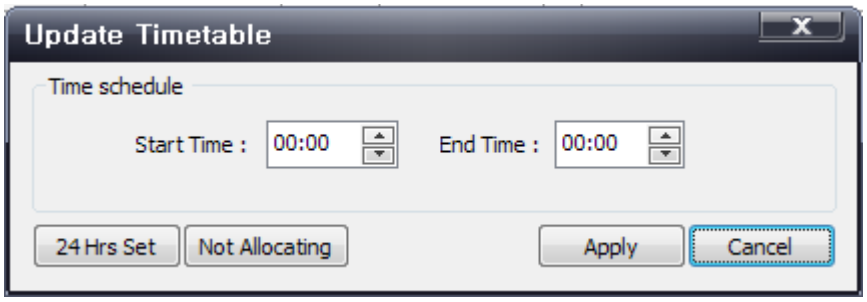
The information of selected media is displayed.

1. : Play selected media file. (Activated with moving picture)
2. : Stop media file. (Activated with moving picture)

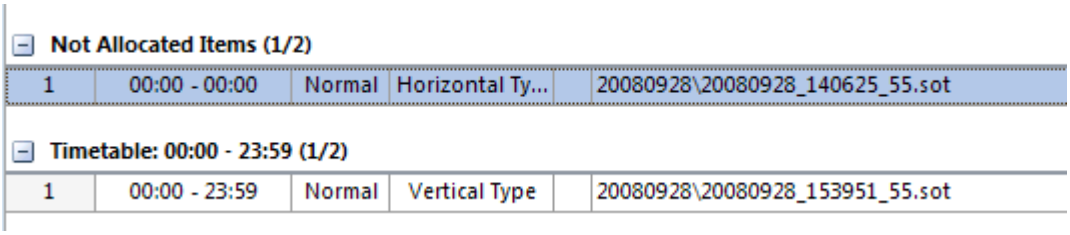
4. Overlay Texts



1. Overlay texts items
    1. Seq: The sequence of overlay Text file is displayed.
    2. Timetable: Set operation time.
        i. Play time setting.
            1. Double click this item from list.

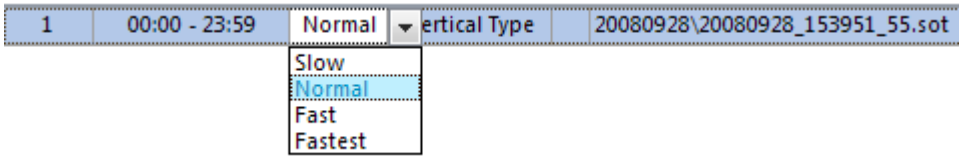


            2. Adjust “Start Time” and “End Time” in pop-up dialog box.
               *. Click “24 Hrs Set” for 24hours operation.
               *. If not operated, simply click “Not Allocation” button.
            3. “Apply” changes.
        ii. Description of list group.



- If playing time is set, grouping information will be displayed according to time priority.
- Not Allocation Item: Overlay text without time allocation is displayed in the list like above but, not played.

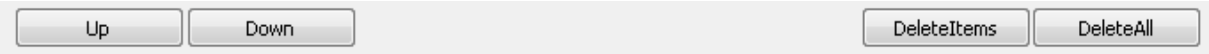
3. Speed: Set scrolling speed of overlay Text.
   i. Speed setting
      1. When double click this item on list, button appears and click it.



      2. When combo list appears like above, Click the speed user wants.
4. Direction: Set horizontal or vertical view of overlay Text.
   i. Direction setting
      1. When double click this item on list, button appears and click it.

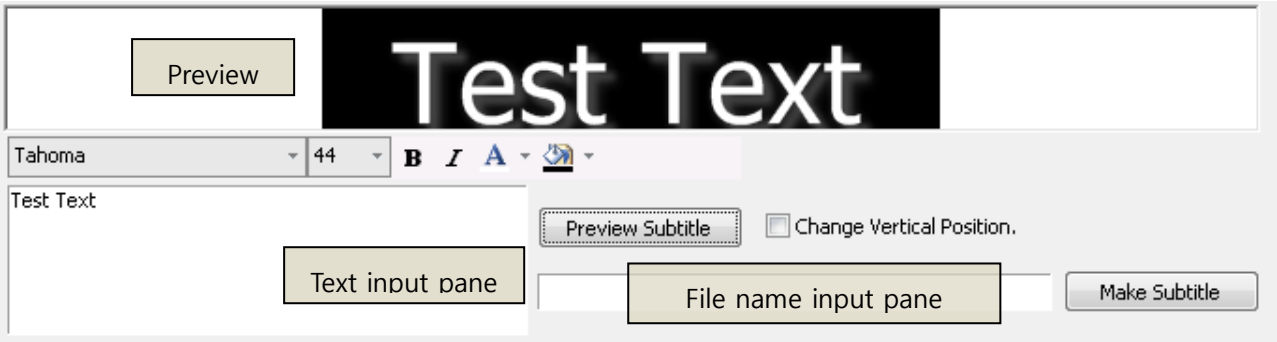
      2. When combo list appears like above, select the type user wants.
         A. Horizontal Type: Set horizontal type.
         B. Vertical Type: Set vertical type.
5. : This symbol appears to view the bad route of connected playlist.
6. Filename: Show file name of Overlay Text file.

2. Button Bar



   1. Up: The order of selected overlay text goes up.
   2. Down: The order of selected overlay text goes down.
   3. DeleteItem: Delete selected overlay text.
   4. DeleteAll: Delete whole Overlay Text.

3. Auxiliary Info field



Show selected Overlay Text file information or create new Overlay Text file.

1.

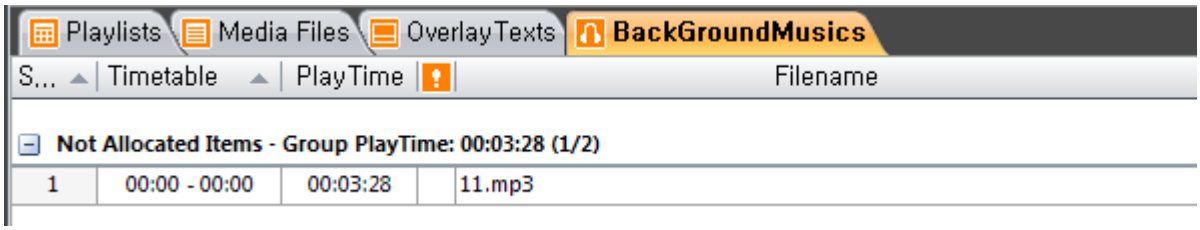
: Set text font
2. Preview Overlay Text: Preview overlay text input.
3. Change Vertical Position: Adjust text position in ‘Preview’ pane.
   - Text position in ‘Preview’ pane should be adjusted because the real

text position of device will be same.

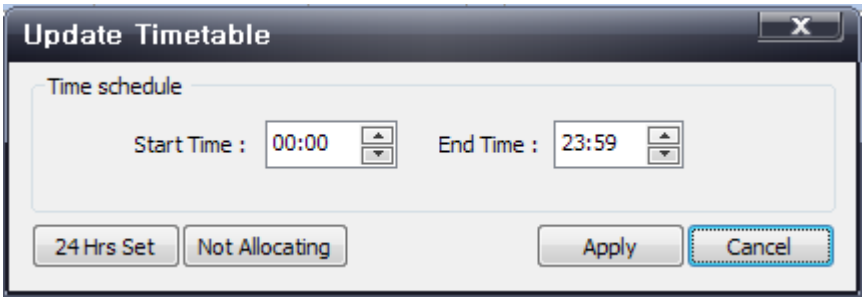
- Text position stays identical as before if uncheck the check option after set.

4. Make Overlay Text: Create new Overlay Text file.

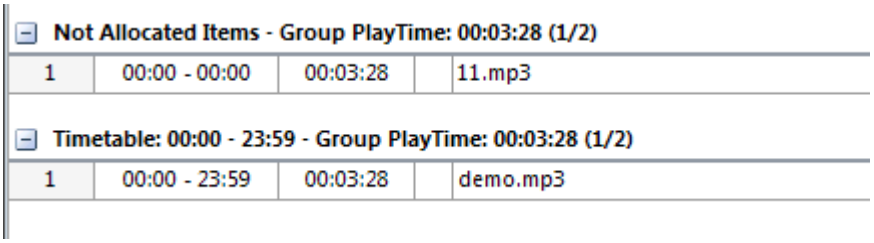
5. BackGroundMusics



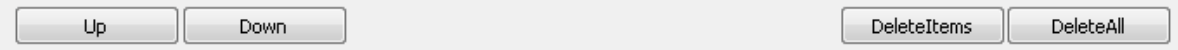
1. Backgroundmusics list items
    1. Seq: The sequence of overlay Text file is displayed.
    2. Timetable: Set operation time.
        i. Playing time setting
            1. Double click this item on list.



            2. Adjust “Start Time” and “End Time” in pop-up dialog box.
                *. Click “24 Hrs Set” for 24hours operation..
                *. If not operated, simply click “Not Allocation” button.
            3. Click “Apply” for changes.
        ii. List group information



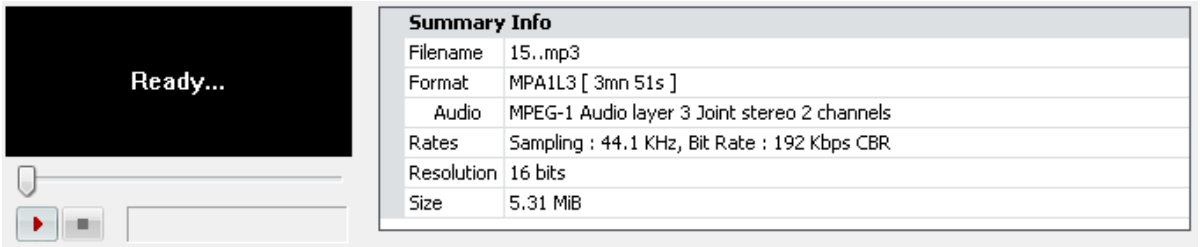
        - If playing time is set, grouping information will be displayed according to time priority.
        - Not Allocation Item: BackGroundMusics without time allocation is displayed like above,but not played at all.
        - Playing BackGroundMusics is only available with image file.
    3. : This symbol appears to view the bad route of connected playlist.
    4. Filename: File name of Overlay Text file is displayed.
2. Button bar



    1. Up: The order of selected BackGroundMusics goes up.
    2. Down: The order of selected BackGroundMusics goes down.
    3. DeleteItem: Delete selected BackGroundMusics.

4. DeleteAll: Delete all of BackGroundMusics.

3. Auxiliary Info field


Ready...
Summary Info
Filename 15..mp3
Format MPA1L3 [3mn 51s]
Audio MPEG-1 Audio layer 3 Joint stereo 2 channels
Rates Sampling : 44.1 KHz, Bit Rate : 192 Kbps CBR
Resolution 16 bits
Size 5.31 MiB

The information of selected BackGroundMusics file is displayed.

1. : Play selected BackGroundMusics file.
2. : Stop selected BackGroundMusics file.

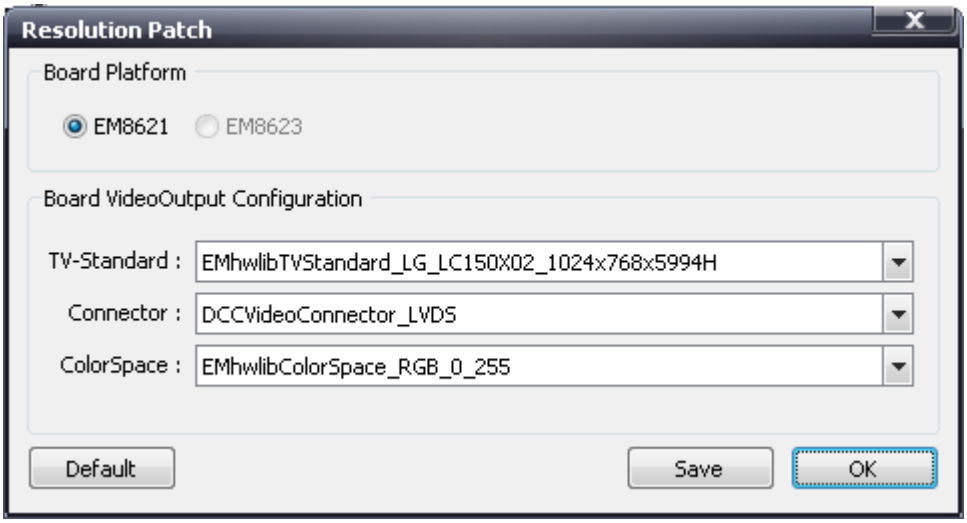
H. Status bar

The information while at working is displayed.

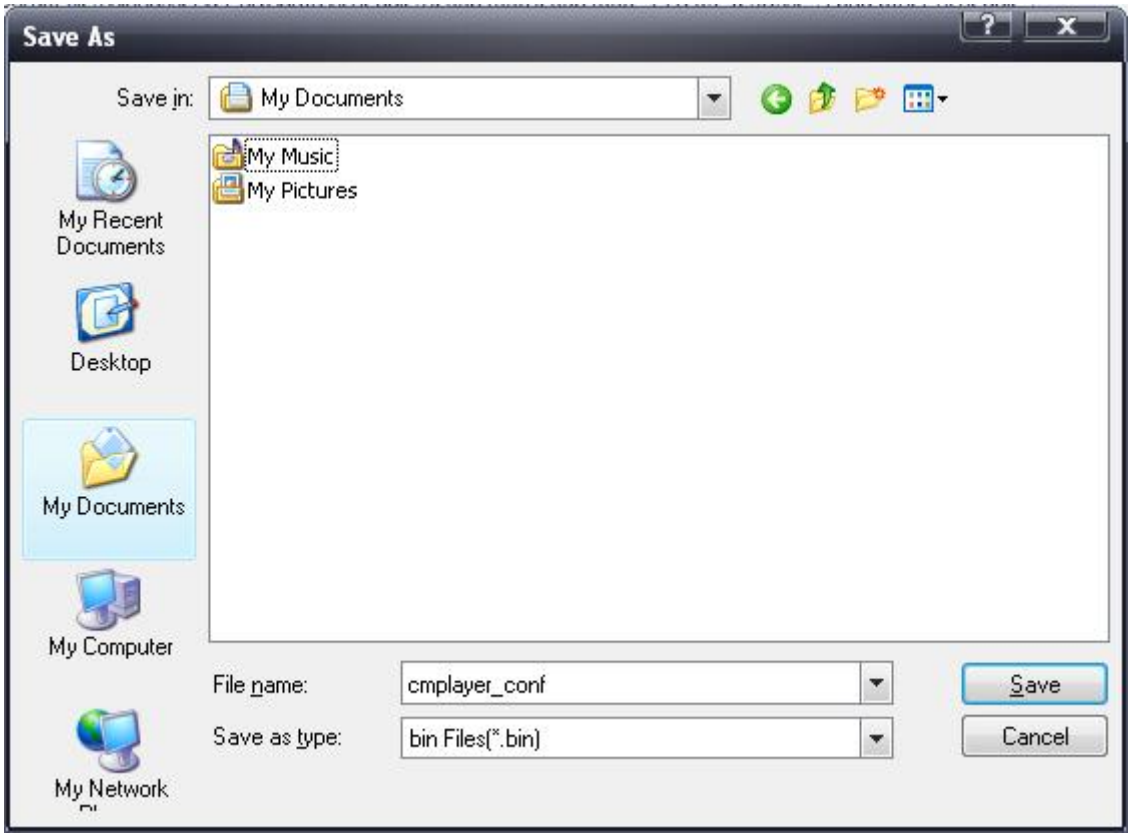
4. SignusDesigner Utilization

A. Device video mode setting.

1. Connect USB memory to PC.
2. Click “Resolution” of Make Patch File in Utils menu.



3. Select a video mode user wishes in the displayed window.
4. Click “Save”.

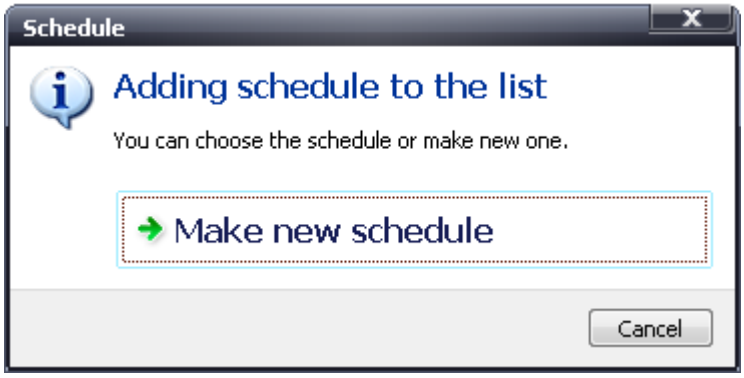


5. Click “save” in USB memory route folder.
6. Disconnect USB memory from PC.
7. Connect the USB memory which has update information to PC.

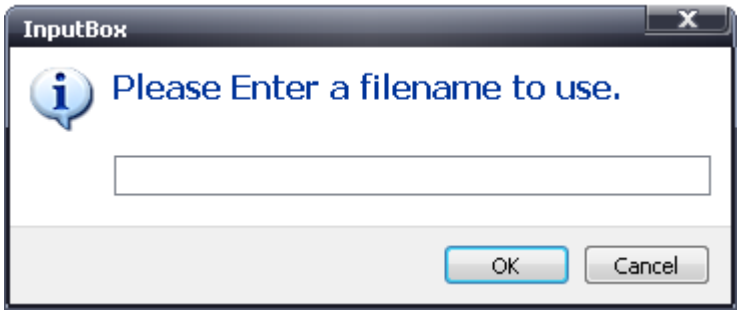
8. Event display related to update is displayed.
9. After 5 times beep sound rings after update complete, disconnect the USB memory from PC.
10. Device is automatically rebooted.
11. Check proper operation.

B. Create new schedule

1. Click “Add New Schedule(Ctrl+N)” in the File menu.



2. Click “Make new schedule” button.



3. Type file name in the blank and click “Ok” button.
4. The schedule file is created and empty “Playlists” will be shown.

C. Schedule save

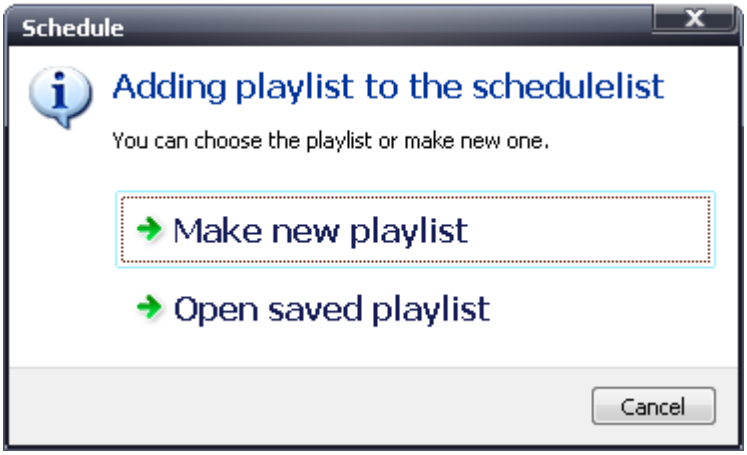
1. Click “Save(Ctrl+S)” in the File menu.

Select Devices
Choose Drivers (External Devices Only)
3½ Floppy (A:)
* If the devices are not listed correctly. Please reattach the device and try again.
Refresh List
Start Transfer
Safety Removal Devices
Close

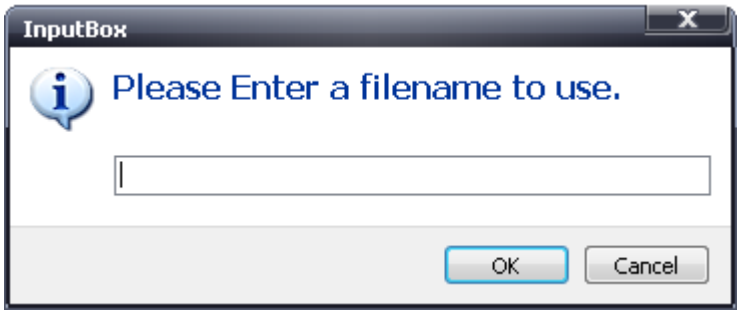
2. Click “Close” button.

D. Add Playlists

1. Click “Playlists” tap on list tap to go on to list section of Playlists.
2. Click “Add Item” in the button bar.



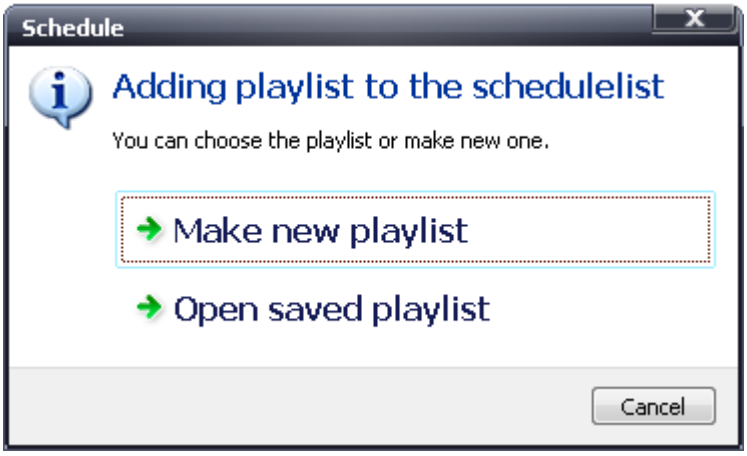
3. Select “Make new playlist” button.



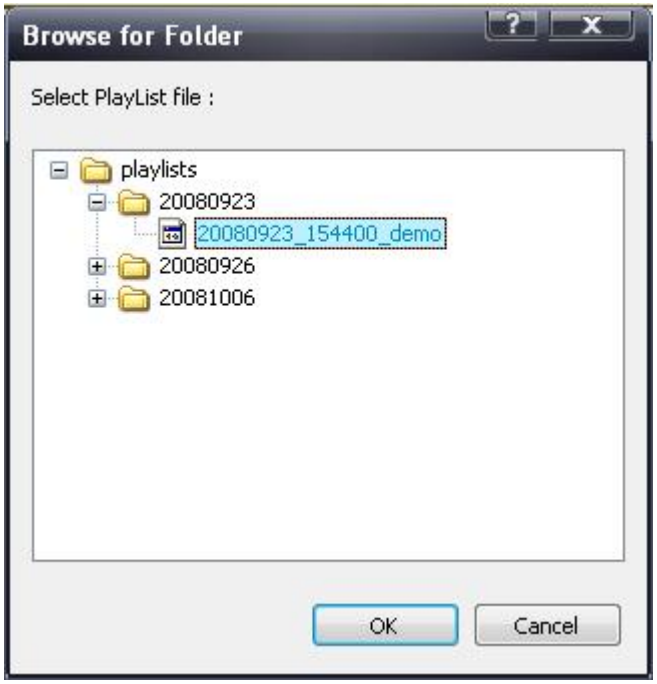
4. Input Playlist file name and click “OK” button.
5. After creation of new Playlist file, then added playlist will be shown.

E. Open saved Playlists

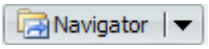
1. Click “Playlists” tap in list tap to forward to list field of Playlists.
2. Click “Add Item” in button bar.



3. Click “Open saved playlist” button.

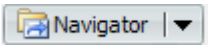


4. Select a Playlist file to open and click “OK” button.
5. Added playlist is shown in “Playlists” display.

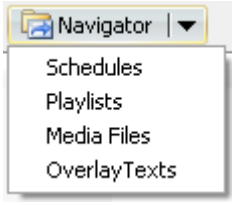
6. *. After select “Playlists on 

button in file field, User enables to drag and add the file.

F. Adding Media File

1. Click “Media Files” tap in list tap to go to list field of Media Files.
2. Click 

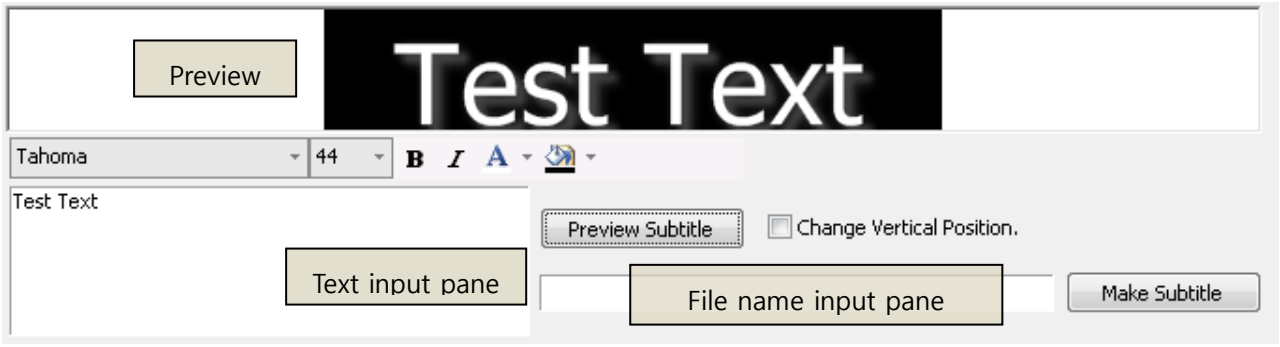
button in file field, then press “Media Files”.



3. Drag the media file which user wants to add from file field into list field.
4. Added media file is displayed on “Media Files”.

G. Create new Overlay Texts

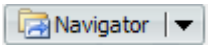
1. Click “OverlayTexts” in list tap to move to list field of Overlay Texts.



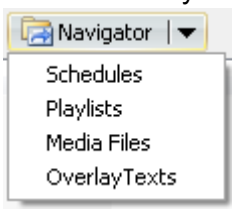
2. Type text in Text input pane.
3.

: Set text font.
4. Click “Preview Overlay Text” button to preview the input text.
5. If text position is improper, check “Change Vertical Position” option and adjust the position in Preview pane.
   *. Text position in Preview pane should be adjusted because the text position of device will is same as preview. Text information stays identical as before if uncheck check option after set
6. Type file name in input pane.
7. Click “Make Overlay Text” button.
8. Added Overlay Text file in “Overlay Texts” becomes displayed.

H. Adding saved Overlay Texts

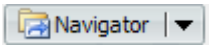
1. Click “OverlayTexts” in list tap to go to list field of Overlay Texts.
2. Click “OverlayTexts” after press 

button in list field.

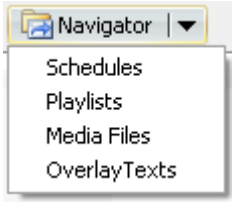


3. Move to the folder which has saved file.
4. Drag overlay text which user wants to add into list field.
5. Added overlay text is displayed in “Overlay Texts” pane. .

I. Adding Back Ground Music

1. Click “BackGroundMusics” in list tap to go to list field of Back Ground Musics.
2. Click 

in file field, then press “Media Files”.



3. Drag the background music file (mp3) which user wishes to add into list field.
4. Added background music file is displayed in “Back Ground Musics” pane.

J. Device single mode schedule update.

1. Connect USB memory to PC.
2. Click “Save” in File menu.

Select Devices
Choose Drivers (External Devices Only)
3½ Floppy (A:)
* If the devices are not listed correctly. Please reattach the device and try again.
Refresh List
Start Transfer
Safety Removal Devices
Close

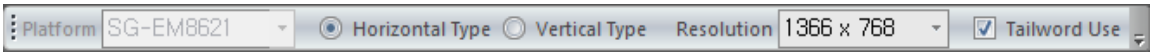
3. Choose USB memory in Drivers.
    1. If USB memory is not displayed, press “Refresh List” button.
4. Press “Start Transfer” button to transfer updated information to USB memory.

5. After transmission, click “Safety Removal Devices” to disconnect USB memory from PC.
6. Click “Close”.
7. Connect the USB memory which includes updated information to PC.
8. Event window for update will be display.
9. After update complete, 5 time beep sound rings, then disconnect USB memory from device.
10. The device will automatically rebooted.
11. Confirm the normal operation.

K. Auto-adjusting Multiple image file size.

1. Move to “Media Files”.
2. Select multiple files to resize.
3. Click “Multi Edit” button in Button bar.

Image size is controlled through device setting toolbar.

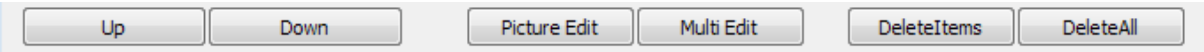


Choose Resolution between “Horizontal Type” and “Vertical Type”.

4. Confirm resized files in the list.

L. Adjusting image file size

1. Move to “Media Files”.
2. Select the image file to resize.
3. Press “Picture Edit” from Button bar.



4. Click “Resize to Default” button to automatically fit the image size to display size of device..

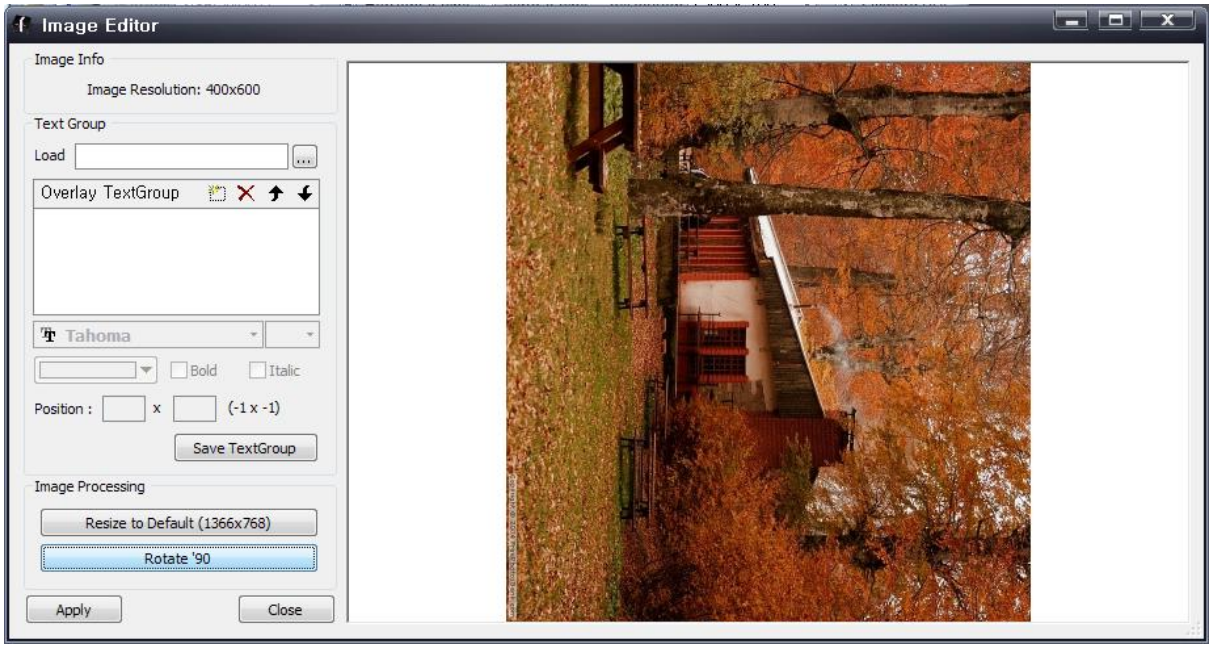
   The image size is set according to “Resolution” in device setting toolbar.
   Choose Resolution between “Horizontal Type” and “Vertical Type”.

5. Click “Apply”.

M. Image rotation

1. Move to “Media Files”.
2. Select the media file to edit and click “Picture Edit” button.

3. Click “Rotate ‘90” button in Image Editor window.

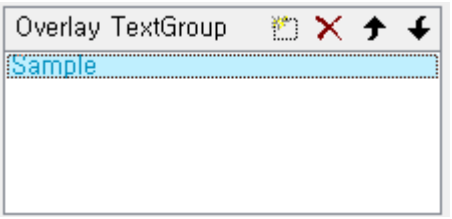


4. “Apply” changes.

N. Image file edit

1. Move to Media Files.
2. Select media file to edit and click “Picture Edit” button.

3. Click “Resize to Default” button to fit image size to display size of device.
4. Click button in “Overlay TextGroup, and type preferred text in the pane, then press “Enter” key. .

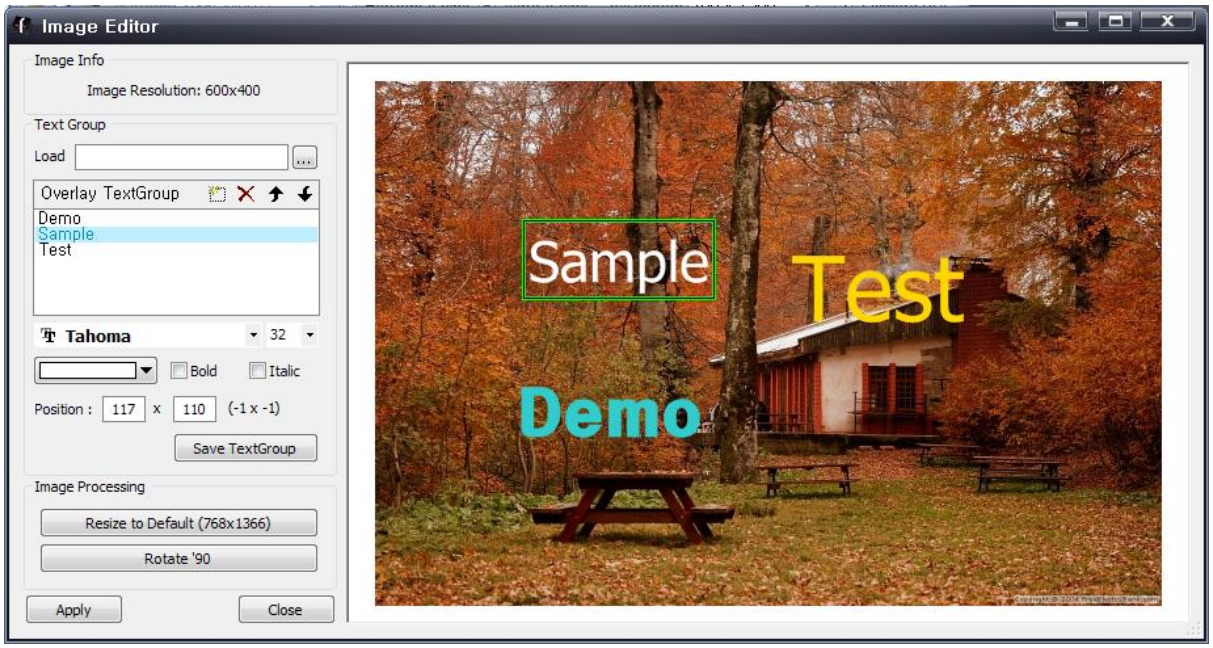


5.

Set text font and size.
6.

Choose text color & style. (“Bold”, ”Italic”)
7.

Set text position.
    1. Letters position is moved by dragging mouse after select letters in “Overlay TextGroup” and left-click.
8. Several letters may be made repeating from “iii” to “vii”.
9. Removal of wrong letters is cleared with button.
10. Order of letters is able to be adjusted with , button.

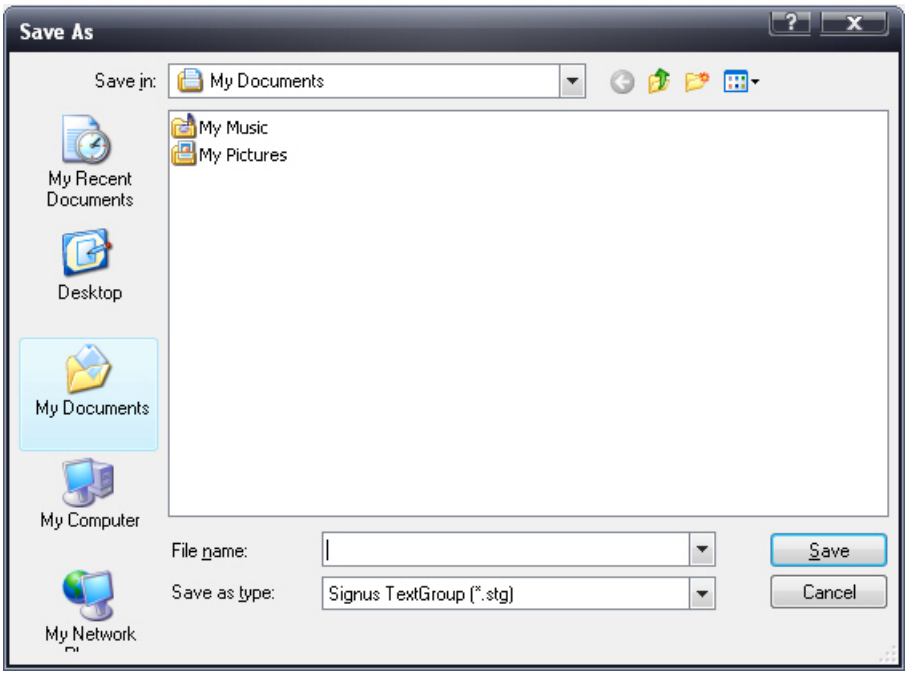


11. Click “Apply” button.

O. Save text style

If text style which user is working now will be frequently used,

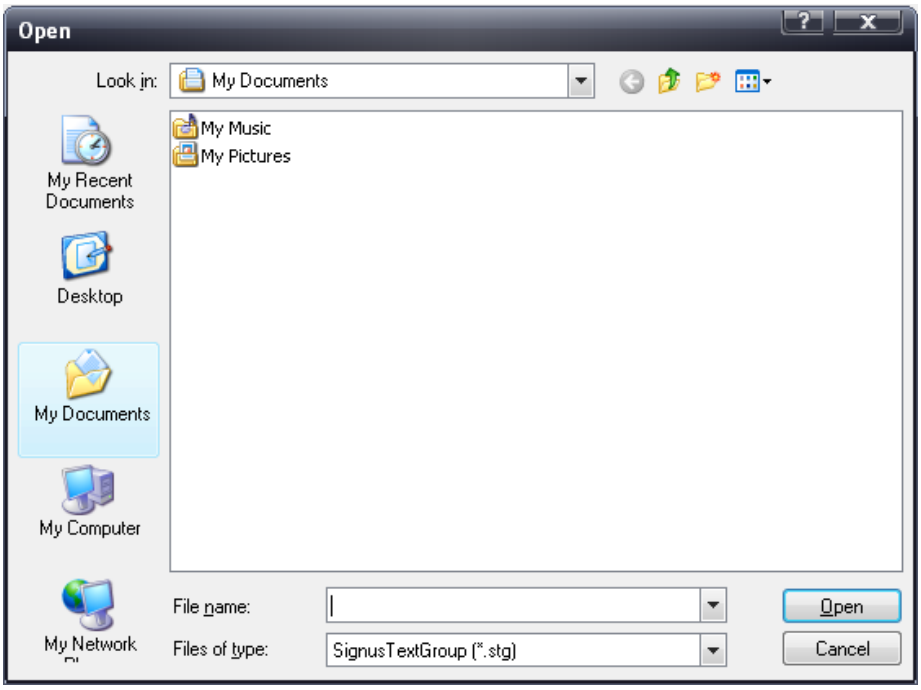
1. Select Media file, and click “Picture Edit” button.
2. Do text work.
3. Click “Save TextGroup” button to save text style.



4. Make file name and click “Save(S)” in ‘Save As’ dialog box.

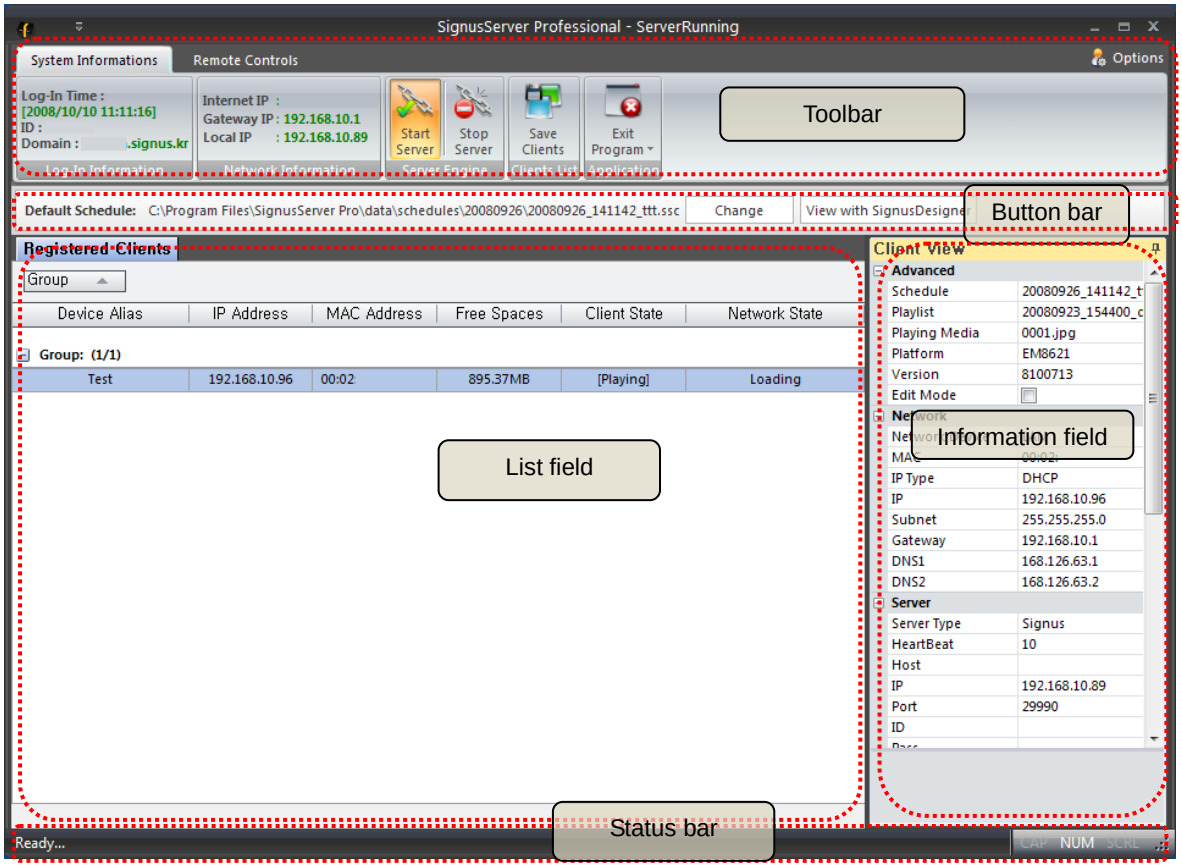
P. Apply text style

1. Select Media file to be applied and click “Picture Edit” button.
2. Click “...” button at left side of “Load”.

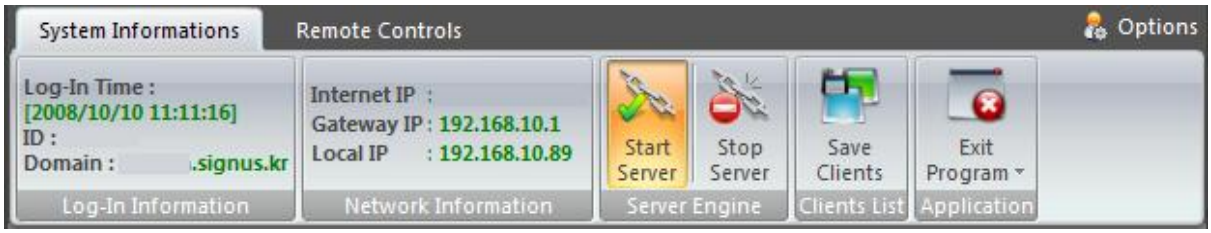


3. Select the file in Open dialog box, then press “Open(O)” button.
4. After applying, click “Apply” changes. .

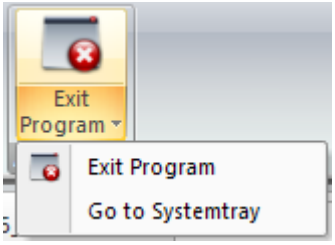
5. SignusServer program



A. Toolbar



1. System Information
    1. Lon-In Information
        1. Lon-In Time: Show current login time.
        2. ID: Show logged ID.
        3. Domain: Show current DDNS Server.
    2. Network Information
        1. Internet IP: Show external IP address.
        2. Gateway IP: Show internal or external Gateway IP address.
        3. Local IP: Show internal IP address.
    3. Server Engine
        1. Start Server: Start a server.
        2. Stop Server: Stop a server.
    4. Clients List
        1. Save Clients: Save client list information into a server.
    5. Application
        1. Exit Program: Click the top icon to exit from the program or click the bottom exit program button to show a popup menu.



        i. Exit Program: Exit from the program.
        ii. Go to Systemtray: Close the program window and go on to tray icon stand by mode.

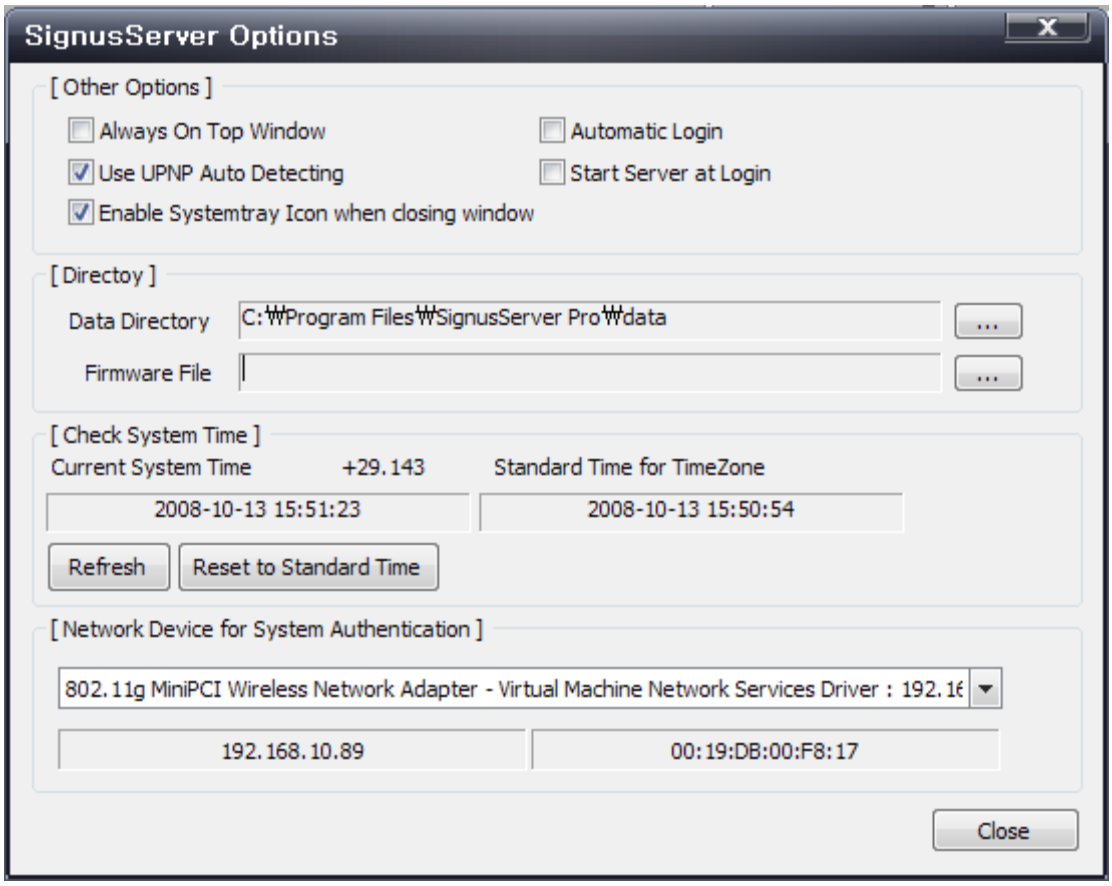
2. Remote Controls

    1. Group for Remote Controls
        1. Play: Activate the selected device.
        2. Pause: Pause the selected device.
        3. Stop: Stop the selected device.
        4. Display On: Turn on the display of the selected device.
        5. Display Off: Turn off the display of the selected device.

6. Reboot: Reboot the selected device.
7. Sound On: Turn on the sound of the selected device.
8. Sound Off: Turn off the sound of the selected device.
9. Running Hours: Setup running hours of the selected device.
10. Format: Format the storage device of the selected device.
11. Abort Commands: Abort the given commands of the selected device.

2. Transfer Schedule
   1. Send Schedule: Send a schedule to the selected device.
   2. Abort Schedule: Abort a schedule transmission and clean up temporally files in the device.
3. Upgrade Firmware
   1. Upgrade Firmware: Upgrade firmware of the selected device.
      *. Firmware upgrade setup has to be configured firs at Options window.

3. Options: Open Options window.

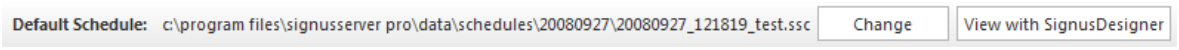


1. Always On Top Window: Display the program window on the top.
2. Use UPNP Auto Detecting: Turn On/Off UPNP based on auto detection.
3. Enable Systemtray Icon when closing window: Check for program termination when closing the program window.
4. Automatic Login: Check for auto login when starting the program.
5. Start Server at Login: Check for auto server start when logging into the program.
6. Base Folder: Base Folder for data. Click "…" button to modify the base folder.
7. Firmware File: Selected Firmware file. Click "…" button to modify the

selected Firmware file.

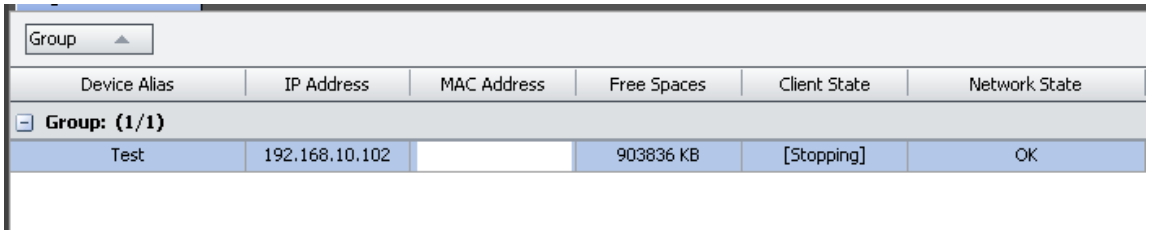
8. Refresh: Refresh current server system time and the Time Server time.
9. Reset to Standard Time: Synchronize current server system time with the Time Server time.
10. Close: Close Option window.

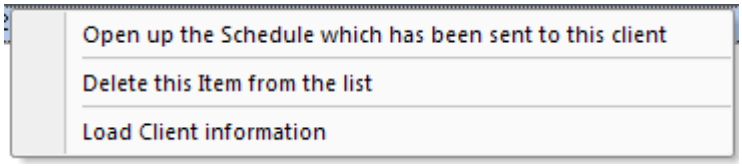
B. Button Bar



1. Default Schedule: Show connected schedule file.
2. Change: Change schedule file.
3. View with Signus Designer: Open the connected schedule file with “Signus Designer” program.

C. List Section

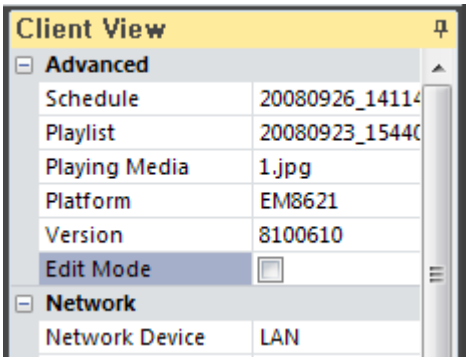


1. List Criteria: List criteria can be moved by dragging them.
   1. Group: Show group name of devices.
   2. Device Alias: Show a device name.
   3. IP Address: Show IP address of a device.
   4. MAC Address: Show MAC address of a device.
   5. Free Spaces: Show free spaces in the storage device of a device.
   6. Client State: Show current client status.
   7. Network State: Show current network status of a device.
2. Popup Menu
3. 

   1. Open up the Schedule which has been sent to this client: Open a received schedule file with “Signus Designer” program.
   2. Delete this Item from the list: Delete the selected device.
   3. Load Client information: Refresh information on the selected device.

D. Information Section

Show information of the selected device.



1. Advanced
    1. Schedule: Show schedule file.
    2. Playlist: Show play list file.
    3. Playing Media: Show currently playing media file.
    4. Platform: show platform.
    5. Version: Show platform version.
    6. Edit Mode: Allow to edit device setup.
        1. Network Section
        2. Server Section
        3. System Section
2. Network
    1. Network Device: Show network device.
    2. MAC: Show MAC address.
    3. IP Type: Select to use a static IP address or DHCP.
    4. IP: Show IP address (for static IP it can be modified).
    5. Subnet: Show subnet address (for static IP it can be modified).
    6. Gateway: Show gateway address (for static IP it can be modified).
    7. DNS1: Show DNS1 Server (for static IP it can be modified).
    8. DNS2: Show DNS2 Server (for static IP it can be modified).
3. Server
    1. Server Type: Show server type. (fixed Signus)
    2. Heart Beat: Time frame for connecting to a server repeatedly. (Unit: seconds)
    3. Host: Domain of the server where the device is going to connect.
    4. IP: IP address of the server where the device is going to connect. Host connecting to the server has higher priority.
    5. Port: Show port number of the server.
    6. ID: Show user ID to connect.
    7. Pass: Show user Password to connect.
4. System
    1. TimeZone: Show time zone.
    2. Use BGM: Turn On/Off for Back Ground Musics.
    3. RunningHours: Show the device running hours.
        1. Start
        2. End
    4. Slideshow Effects: Show slideshow effects.
    5. Slideshow Interval: Show slideshow interval.
5. System Extra

1. Volume: Show volume of the device.
2. Brightness: Show brightness of the screen.
3. Contrast: Show contrast of the screen.
4. Saturation: Show saturation of the screen.

6. Commands
   1. Refresh: Refresh information about the device.
   2. Apply: Apply new setup configuration to the device.

E. Status Bar

Show current status during operation.

6. Using Signus Server

A. How to start a server

1. Click ‘System Information’ tap on the toolbar.
2. Click “Start Server” button.

B. How to stop a server

1. Click ‘System Information’ tap on the toolbar.
2. Click “Stop Server” button.

C. How to update a device schedule

1. Select a device.
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “Change” button on the button bar.
4. Select a schedule on the popup menu.
5. Click “Send Schedule” button.
6. Confirm transmission command on the “Network State” criterion of the list for the selected device.

D. How to cancel device schedule update

1. Select a device.
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “Abort Schedule” button.
4. Confirm transmission command on the “Network State” criterion of the list for the selected device.

E. How to pause/stop a device

1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. To stop click “Stop” button and to pause click “Pause” button.
4. Confirm “Client State” on the list for the selected device.

F. How to play a device

1. Select a stopped/paused device.
2. Click ‘Remote Controls’ tap on the toolbar.

3. Click “Play” button.
4. Confirm “Client State” on the list for the selected device.

G. How to reboot a device

1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “Reboot” button.
4. Confirm “Client State” on the list for the selected device.

H. How to turn On/Off a device monitor

1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. To turn on the monitor click “Display On” button, and to turn off click “Display Off” button.
4. Confirm transmission command on the “Network State” criterion of the list for the selected device.

I. How to turn On/Off a device sound

1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. To turn on the sound click “Sound On” button, and to turn off click “Sound Off” button.
4. Confirm transmission command on the “Network State” criterion of the list for the selected device.

J. How to format storage space of a device

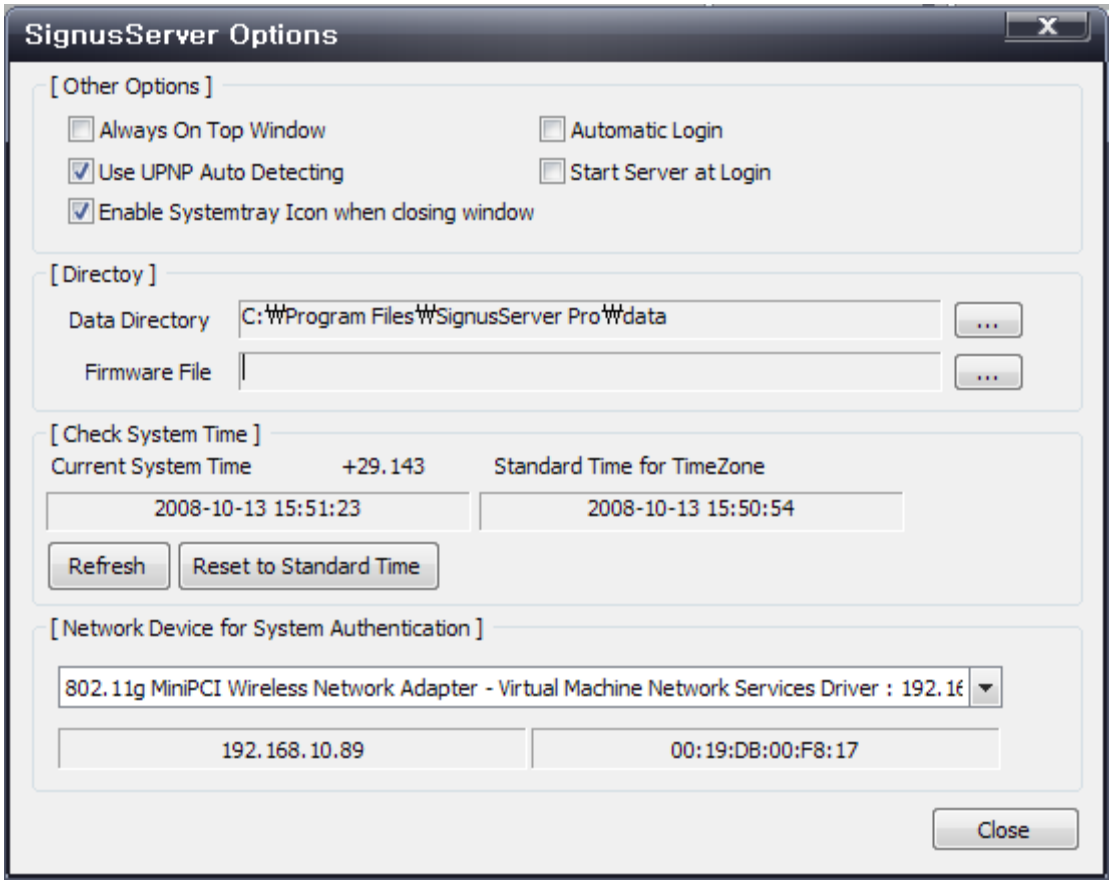
1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “Format” button.
4. Confirm transmission command on the “Network State” criterion of the list for the selected device.

K. How to cancel a command on a device

1. Select a device
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “abort” button.
4. Confirm transmission command on the “Network State” criterion of the list for the selected device.

L. How to upgrade a device firmware

1. Select a device
2. Click ‘Option’ menu on the toolbar.

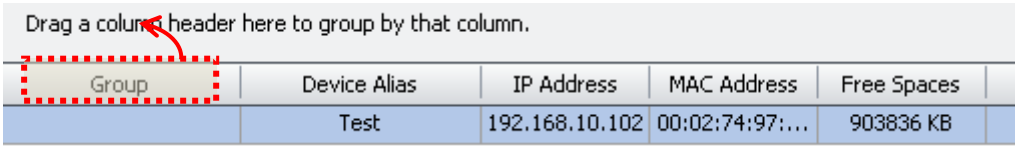


3. Click "…"button on the right side of 'firmware File.'

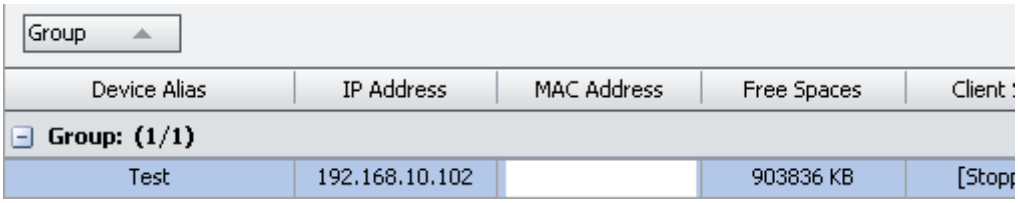
4. Select a upgrade firmware file and click "OK" button.
5. Click "Close" button.
6. Click 'Remote Controls' tap on the toolbar.
7. Click "Upgrade Firmware" button.
8. Confirm transmission command on the "Network State" criterion of the list for

the selected device.

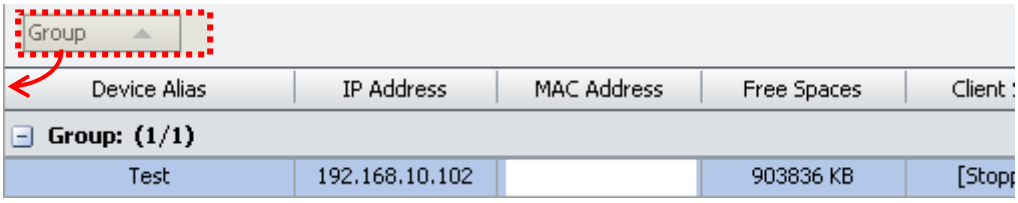
M. How to group list criteria



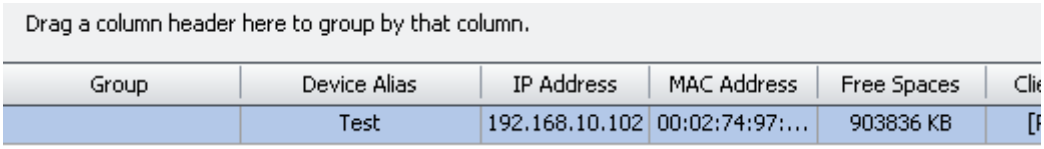
1. Drag a criterion head to the list header to group by that criterion.



N. How to remove a group from the list



1. Drag the group criterion on the top of the list header, and drop back on the list header.

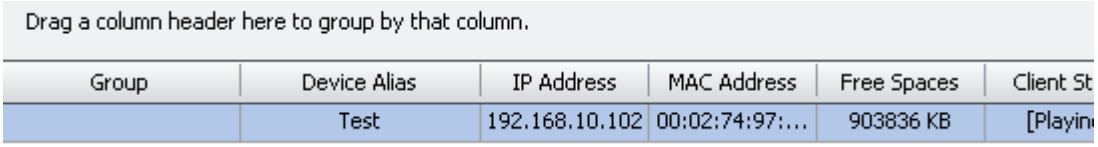


O. How to input a device name

1. Double click Device Alias of a device to modify.
2. When an edit box pops up, input a device name and click “Enter” button.

P. How to input a device group

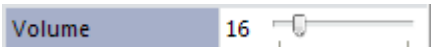
1. Remove grouping of groups.



2. Double click the group criterion of the device list to modify.
3. When an edit box pops up, input a device name and click “Enter” button.

Q. How to setup device sound volume

1. Select a device to modify its setup.
2. Check “Edit Mode” at the Advanced section of the information setup.
3. Click option check boxes that a user wants in the “System Section”.
4. Modify Volume control in the System Extra section.



5. Click “Apply” button in the Commands.

R. How to setup a device display

1. Select a device to modify its setup.
2. Check “Edit Mode” at the Advanced section of the information setup.
3. Click option check boxes that a user wants in the “System Section”.
4. Modify Brightness value in the System Extra section.
5. Modify Contrast value in the System Extra section.
6. Modify Saturation value in the System Extra section.
7. Click “Apply” button in the Commands.

S. How to setup dynamic IP for a device

1. Select a device to modify its setup.
2. Check “Edit Mode” at the Advanced section of the information setup.
3. Click option check boxes that a user wants in the “Network Section”.
4. Modify IP Type to “DHCP” in Network section.
5. Click “Apply” button in the Commands.

T. How to setup fixed IP for a device

1. Select a device to modify its setup.
2. Check “Edit Mode” at the Advanced section of the information setup.
3. Click option check boxes that a user wants in the “Network Section”.
4. Modify IP Type to “static” in Network section.
5. Modify IP address in IP criterion.
6. Modify Subnet address in Subnet criterion.
7. Modify Gateway address in Gateway criterion.
8. Modify DNS1 server in DNS1 criterion.
9. Modify DNS2 server in DNS2 criterion.
10. Click “Apply” button in the Commands.

U. How to setup server address for a device

1. Select a device to modify its setup.
2. Check “Edit Mode” at the Advanced section of the information setup.
3. Click option check boxes that a user wants in the “Server Section”.
4. Modify server IP address in the Server section, or modify Host name. Here, Host name is used first to connect.
5. Click “Apply” button in the Commands.

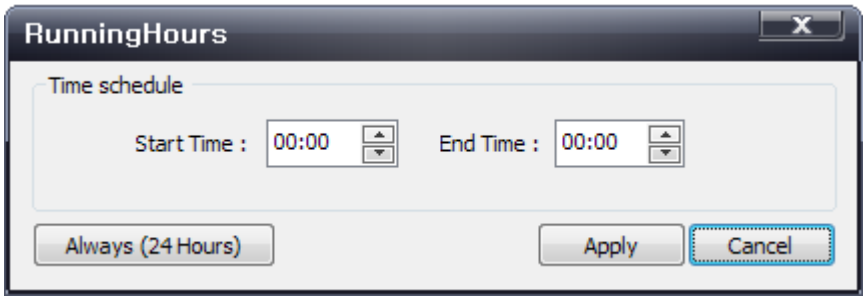
V. How to setup device operation time

1. Select a device to modify its setup.
2. Check “Edit Mode” at the advanced section of the information setup.
3. Click option check boxes that a user wants in the “System Section”.
4. Modify “Start” and “End” time in the Running Hours criterion in the System section.
5. Click “Apply” button in the Commands.

W. How to setup operation time for multiple devices

1. Select numbers of devices to modify
2. Click ‘Remote Controls’ tap on the toolbar.
3. Click “Running Hours” button.

4. Modify “Start Time” and “End Time” on the “Running Hours” window.

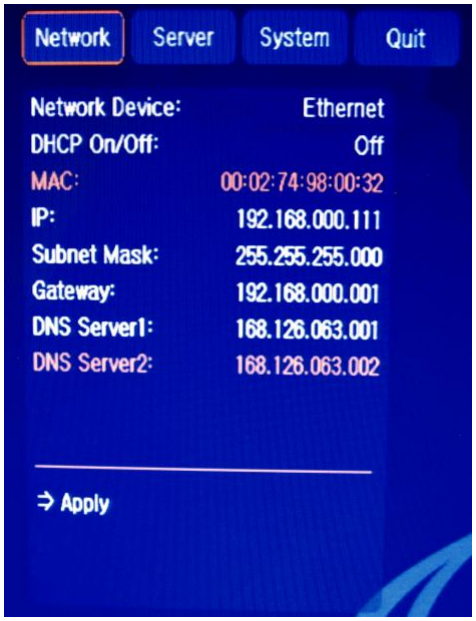


*. Click “Always (24 Hours)” button for 24 hour operation.

5. Click “Apply” button.

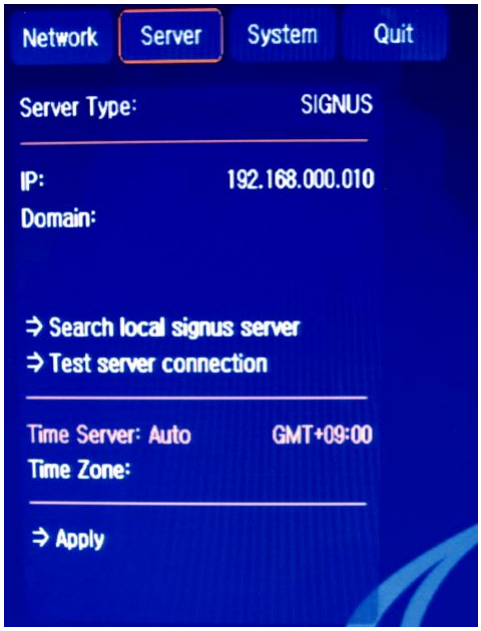
7. Signus Client Device Environment Setup

A. Network



1. Network Device: Choose a network connection device.
    1. Ethernet
    2. Wireless
2. DHCP On/Off: DHCP (Dynamic Host Configuration Protocol) On/Off.
3. MAC: MAC address is displayed.
4. IP: IP is displayed. (changeable if DHCP Off)
5. Subnet Mask: Subnet Mask is displayed (changeable if DHCP Off)
6. Gateway: Gateway is displayed. (changeable if DHCP Off)
7. DNS1 Server: DNS1 server is displayed. (changeable if DHCP Off)
8. DNS2 Server: DNS2 server is displayed. (changeable if DHCP Off)
9. Apply: Apply changes.(If not “Apply”, changed setup value will be lost)

B. Server



1. Server Type: Choose a server type for terminal access.
    1. SIGNUS
    2. HTTP
    3. FTP
2. IP: Set server IP.
3. Domain: Set server domain.
4. Search local signus server: Search local network of Signus server and automatically apply server IP.
5. Test a server connection: Test the connection with the server address input.
6. Time Zone: Set Time Zone of terminal.
7. Apply: Apply changes. (If not “Apply”, changed setup value will be lost)

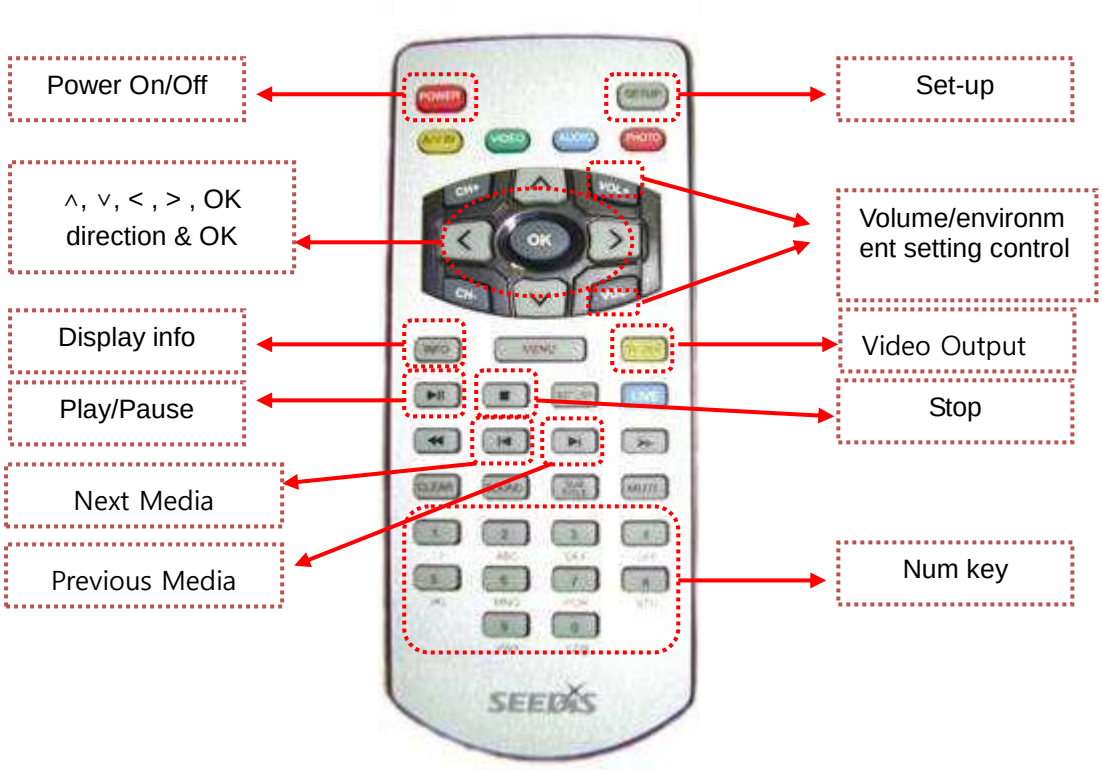
C. System

1. Current Date: Current date is displayed.
2. Running Hours: Running hours is displayed.
3. Slideshow Effect: Select slide show effect of image.
    1. Random
    2. Fade
    3. None
4. Slideshow Interval: Set slideshow interval when image changed.
    1. 5 Secs
    2. 10 Secs
    3. 1 Minute
    4. 1 Hour
    5. 1 Day
5. Background Music: Set background music On/Off.
6. Firmware Version: Current firmware version is displayed.
7. Built At: Date of firmware built is displayed.
8. Product Type: Product type is displayed.
9. Storage Usage: Available and total storage space is displayed.
    1. Format All: Format all of storage.
10. Restore Defaults: Return all of setting to factory default.
11. Apply: Apply changes. (If not “Apply”, changed setup value will be lost)

D. Quit

Quit SignusClient.

8. SignusClient Remote controller



9. SignusClient Utilization

A. SignusClient IP manual setting

1. Click “■” button on remote controller.
2. Click “SETUP” button.
3. Move to “DHCP On/Off” with “▽” button.
4. After click “▷” button, move to “Off” with “△”,”▽” button.
5. Click “OK”.
6. Move to “IP” section with “▽” button.
7. Click “OK”.

8. Input IP using number pad of remote controller in “IP Setting” window.
9. Go to “Yes” with “▽” button and click “OK”.
10. Move to “Subnet Mask” section with “▽” button.
11. Click “OK”.
12. Input IP using number pad of remote controller in “Subnet Mask Setting” window.
13. Go to “Yes” with “▽” button and click “OK”.
14. Go to “Gateway” with “▽” button.
15. Click “OK”.
16. Input IP using number pad of remote controller in “Gateway Setting” window.
17. Go to “Yes” with “▽” button and click “OK”.
18. Move to “DNS Server1 section with “▽” button.
19. Click “OK”.
20. Input IP of DNS1, DNS2 using number pad of remote controller in “DNS Setting” window.
21. Go to “Yes” with “▽” button and click “OK”.
22. Move to “Apply” with “▽”.
23. Click “OK”.
24. “Save Confirmation” window is displayed. Click “Yes” with “OK” button.
25. The terminal is automatically rebooted.

B. SignusClient IP auto-setting

1. Click “■” on remote controller.
2. Click “SETUP” button on remote controller.
3. Go to “DHCP On/Off” section using “▽” button.
4. After click “▷” button, move to “On” with “△”,”▽” button.
5. Click “OK” button.
6. Move to “Apply” using “▽” button.
7. Click “OK”.
8. After “Save Confirmation” window is displayed, click “Yes” with “OK” button.
9. The terminal is automatically rebooted.

C. Server address auto-setting

1. Click “■” button on remote controller.
2. Click “SETUP” button.
3. Go to “Server” option with “▷” in environment setting window.
4. Go to “Search local signus server” clicking “▽” button.
5. Click “OK”. Server IP is auto-detected and input.
6. Go to “Apply” with “▽” button.
7. Click “OK”.

8. After “Save Confirmation” window is displayed, click “Yes” with “OK” button on remote.
9. Go to “Quit option in upper level and click “OK”.
10. Click “▶||” button to play terminal.

D. Server address manual setting

1. Click “■” button on remote controller.
2. Click “SETUP” button.
3. Go to “Server” option with “▷” in environment setting window.
4. Go to “IP” section with “▽” button.
5. Click “OK”.
6. After “Application Server” window is displayed, input IP in “IP” section with Number key of remote controller.
   *. If no IP address, input “Domain(URL)” and server access with “IP” value.
7. Move to “Yes” and click “OK” on remote controller.
8. Go to “Test a server connection” with “▽” button.
9. Click “OK” for server network access.
10. Go to “Apply” using “▽” button.
11. Click “OK”.
12. After “Save Confirmation” window is displayed, Click “Yes” with “OK” button on the remote controller.
13. Go to “Quit” option in upper level and click “OK”.
14. Click “▶||” button to play terminal.

E. Confirm available storage space and format

1. Click “■” button of remote controller.
2. Click “SETUP” button.
3. Go to “System” option with “▷” button in environment setting window.
4. Go to “Storage Usage” option with “▽” button.
   *. Number below “Storage Usage” option shows available storage space and total storage space.
5. Go to “Format All” with “▷” button.
6. Click “OK”.
7. After “Job Confirmation” window is viewed, move to “Yes” and click “OK” button of remote controller.
8. Terminal is automatically rebooted. .

F. Terminal time setting.

1. Click “■” button of remote controller.
2. Click “SETUP” button.
3. Go to “System” option with “▷” button in environment setting window.
4. Go to “Current Date” section with “▽” button.

5. Click “OK”..
6. After “Current Date Setting” window is displayed, input present time in “System Date” through Number key of remote controller.
7. Move to “Yes” and click “OK” button of the remote controller.
8. Go to “Apply” with “▽”.
9. Click “OK”.
10. After “Save Confirmation” window is viewed, move to “Yes” and click “OK” on remote.
11. Go to “Quit” option in upper level and click “OK” button.
12. Click “▶||” button to play terminal.

G. Terminal Time server Time Zone setting

1. Click “■” button of remote controller.
2. Click “SETUP” button.
3. Go to “Server” option with “▷” button in environment setting window.
4. Go to “Time Zone” section with “▽”.
5. Click “OK”.
6. After “Select Time Zone” window is displayed, set time in “Time Zone” through “◁”,”▷” keys.
7. Go to “Yes” and click “OK” button of the remote.
8. Go to “Apply” using “▽”.
9. Click “OK” button.
10. After “Save Confirmation” window is displayed, go to “Yes” and click “OK” button.
11. Go to “Quit” option in upper level and click “OK” button.
12. Click “▶||” button to play terminal.

H. Terminal operation time setting

1. Click “■” button of remote controller.
2. Click “SETUP” button.
3. Go to “System” option with “▷” button in environment setting window.
4. Go to “Running Hours” with “▽” button.
5. Click “OK”.
6. After “Running Hours Setting” window is displayed, set “Starting Time”, “Ending Time” through number key of the remote controller.
   *. If set “Starting Time” & “Ending Time” as “00:00:00”, operation time is 24hours.
7. Go to “Yes” and click “OK” button.
8. Go to “Apply” with “▽”.
9. Click “OK”.
10. After “Save Confirmation” window is displayed, go to “Yes” and click “OK”.
11. Go to “Quit” option in upper level and click “OK” button.

12. Click "▶||" button to play terminal.

I. Slide setting

1. Click "■" button of remote controller.
2. Click "SETUP" button.
3. Go to "System" option with "▷" button in environment setting window.
4. Go to "Slideshow Effect" with "▽" button.
5. Click "▷" button.
6. Choose one of the slideshow effect among "Random", "Fade", "None".
7. Click "OK".
8. Go to "Slideshow Interval" with "▽" button.
9. Click "▷" button.
10. Chose one of the slideshow Interval among "5 Secs", "10 Secs", "1 Minute", "1 Hour", "1 Day".
11. Click "OK" button.
12. Go to "Apply" with "▽".
13. Click "OK" button.
14. After "Save Confirmation" window is displayed, go to "Yes" and click "OK".
15. Go to "Quit" option in upper level and click "OK".
16. Click "▶||" button to play terminal.

J. Background music On/Off

1. Click "■" button of remote controller.
2. Click "SETUP" button.
3. Go to "System" option with "▷" button in environment setting window.
4. Go to "BackGround Music" section with "▽".
5. Click "▷" button.
6. Choose "On", "Off".
7. Click "OK" button.
8. Go to "Apply" with "▽" button.
9. Click "OK".
10. After "Save Confirmation" window is displayed, go to "Yes" and click "OK" button.
11. Go to "Quit" in upper level and click "OK" button.
12. Click "▶||" button to play terminal.

K. Return to factory default

1. Click "■" button.
2. Click "SETUP".
3. Go to "System" option with "▷" button.

4. Go to “Restore Defaults” section with “▽” button.
5. Click “OK”.
6. “Restore Confirmation” window is displayed, then click “Yes” and “OK” button.
7. The terminal is automatically rebooted.